Practical Fishkeeping Magazine
READERS' POLL
Tropical Marine Centre
WINNER
MANUFACTURER OF THE YEAR
'10

Aquatic Catalogue

décoral

V²

Natureform

gamma

AQUARAY

aquaHabitats

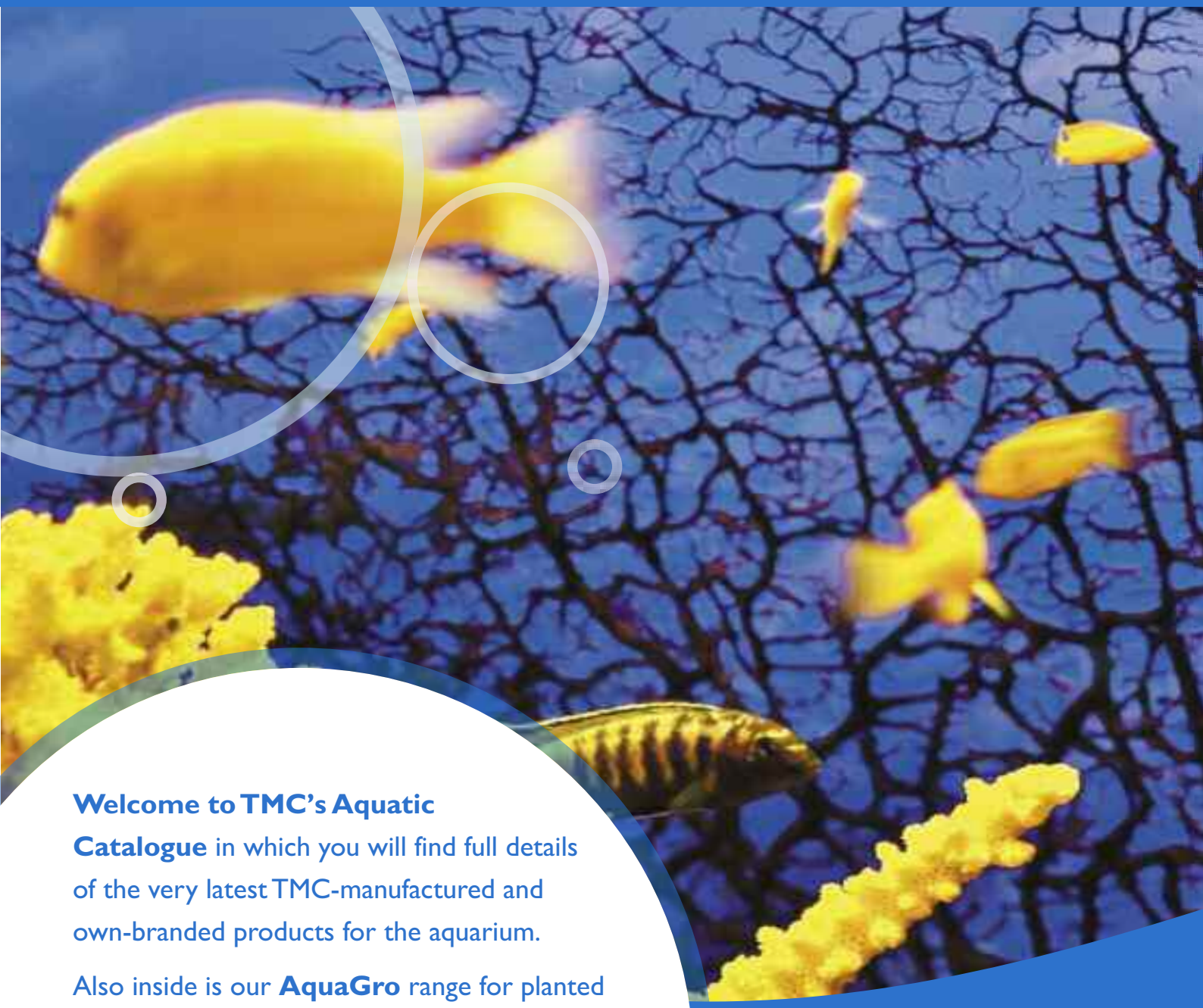
aquaGro

Pond Clear

Pro Clear

Pro Pond

Tropical Marine Centre™



Welcome to TMC's Aquatic Catalogue in which you will find full details of the very latest TMC-manufactured and own-branded products for the aquarium.

Also inside is our **AquaGro** range for planted tanks, the **AquaRay** solid state lighting range, and our ***NEW* AquaHabitats Aquarium Essentials** range.

All of these products have been designed and manufactured to meet our own exacting standards of quality, performance and reliability.

1970 - 2010
Tropical Marine Centre™
40 yrs
OF EXCELLENCE

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First Class

from reef to retail

Tropical Marine Centre's pioneering work on welfare and environmental issues, relating to the collection and importation of marine fish, together with its partnerships with many worldwide conservation organisations, has given it a world renowned reputation and established it as a centre of excellence and technical expertise within the ornamental marine fish industry. Indeed TMC was the first MAC certified importer in the UK and one of the first in Europe, demonstrating TMC's commitment to best practice guidelines.

On-going investment

In 2010, the fish house facilities at TMC London were modernised and enlarged and a new arrivals/acclimation area was added. This means we are now able to hold a wider variety of livestock than ever before, offering our customers an unsurpassed fish selection experience!

Our four sites incorporate state-of-the-art filtration systems, and expert staff are always on hand, ensuring the best environment for our livestock at all times.

First Class
Rest and Relaxation

From the moment TMC livestock is collected (with all fish being individually net caught), everything possible is done to ensure the optimum health and welfare of the livestock and to minimise stress.

Livestock is held near to the catching area in well designed and carefully managed holding facilities, often using filtration systems supplied by TMC. This local attention to detail, combined with careful packing and transportation procedures, ensures that, even after a long flight, livestock arrives in the UK in the very best condition.

Upon arrival at TMC, this high standard of care continues, with livestock carefully unpacked under red light by our expert fish house staff and gently acclimatised into TMC's holding systems supplied with Tropic Marin synthetic seawater. The livestock is then rested for as long as is necessary to ensure that when it is ready for sale it is fully acclimatised, in optimum health and readily adapts to your aquarium environment.

First Class
Accommodation

All of TMC's facilities have state of the art filtration systems incorporating large scale protein skimmers, commercial UV systems, ozone and high quality mechanical and biological filtration systems.

There is huge, on-going investment in these systems, ensuring the very best environment for our livestock at all times.

All TMC fish houses incorporate varying sizes of aquariums. This means that aggressive fish species can be kept separately and larger aquariums can be used for community or shoaling species. In addition, all aquariums have their own unique supply of filtered and UV-treated water ensuring all fish constantly receive optimum water quality. Our invert systems operate on the same principles, allowing us to hold anything from the smallest critter to the most delicate coral.

Dedicated staff, on-call 24 hours a day, ensure that livestock is cared for around the clock, and all parts of the recirculation system are alarmed so if any equipment fails action can be taken immediately to ensure no stress or harm to livestock.

First Class
Cuisine

Whilst in TMC's fish holding facilities all livestock is fed on Gamma Frozen Food which is made from only the highest quality ingredients.

As this food contains 100% natural products that are readily identified by the fish, they respond well to it and will eat it with all the vigour normally associated with live food.

Some Gamma Foods are soaked in Gamma Nutraplus, Tropic Marin Immuvit or Tropic Marin Lipovit to further enhance the nutritional content, and Gamma Dry Seaweed is also fed as a supplement for our herbivores.

Expert TMC staff ensure feeding takes place as many times as possible during the day, to try to replicate the constant grazing many marine fish are used to when on the reef, thereby minimising stress for the livestock.

This strict feeding regime, using only the highest quality feeds, means fish will be eating well and in optimum health before reaching your aquarium.

To ensure hobbyists can buy with confidence, all TMC fish and inverts are now supplied to retailers with their own unique identification label for display on in-store tanks.

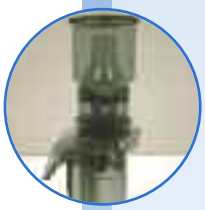
aquarium products

aquarium products

	code	specification	sales unit
I	5660	80 litres/17 UK gal	single

I

Space-Saving, "Hang-On" Design



Multi-Jet Venturi Injection System

Unique, Easy-Clean Body Design

Water Level Adjustment Slide

GUARANTEE 12 MONTHS

TMC Aquarium

V²Skim 80 Micro Skimmer

- High performance protein skimmer offering all the qualities of the award-winning V²Skim range but designed specifically with the nano or micro aquarium in mind!
- Space-saving 'hang-on' design allows the V²Skim 80 to be positioned and easily hidden on the back or side of any nano or micro aquarium of up to 80 litres in volume.
- Incorporates a highly efficient Multi-Jet venturi injection system comprising 6 venturi injectors which optimise the perfect mixture of micro fine air bubbles and water and ensure intensive, efficient skimming and the removal of proteins and other harmful toxins (waste) from the aquarium.
- Unique skimmer body design allows access to most parts of the skimmer for simple cleaning.
- Easy to remove collection cup enables quick and effortless maintenance and cleaning.
- User friendly water level adjustment slide allows water level and flow to be finely tuned to ensure optimum foam consistency and highly efficient skimming.
- Requires a water supply pump with a flow rate of approximately 800 litres per hour at 0 head (NOT SUPPLIED) to deliver and ensure the optimum water flow for the Multi-Jet venturi injection system.

I **V²Skim 80 Micro Skimmer**
Suitable for aquariums up to 80 litres/17 UK gallons with a recommended flow rate of approx 800 l/hr

Dimensions: 72mm (w) x 96mm (d) x 224mm (h)

code	specification	sales unit	
5680	200 litres/44 UK gal	single	1
5690	300 litres/66 UK gal	single	2
5700	500 litres/110 UK gal	single	3

Available in UK, EU and US versions

Why not incorporate a V²Skim Compact Surface Skimmer? See p. 9 for details

GUARANTEE 12 MONTHS

V²Skim Compact Protein Skimmers

V²Skim 200 Compact

- Designed specifically with the smaller aquarium in mind (up to 200 litres).
- Ultra slimline design.
- Versatile mounting brackets.
- Unique design ensures that all parts of the skimmer can be accessed for simple cleaning and maintenance.
- Integral pump.
- Water level adjustment dial.
- Easy to remove collection cup.

1 V²Skim 200 Compact
Suitable for aquariums up to 200 litres/44 UK Gal with a flow rate of approx. 720 l/hr

Dimensions: 88mm (w) x 81mm (d) x 191mm (h)

V²Skim 300 Compact & V²Skim 500 Compact

- "Hang on the back" skimmers suitable for aquariums up to 300/500 litres.
- Incorporate a space-saving integral pump and water intake system which ensures minimal visual impact on the aquarium whilst delivering the optimum flow and the perfect mixture of water and micro fine air bubbles.
- Water level adjustment dial.
- Easy to remove collection cup.

2 V²Skim 300 Compact
Suitable for aquariums up to 300 litres/66 UK Gal with a flow rate of approx. 720 l/hr

Dimensions: 120mm (w) x 133mm (d) x 332mm (h)

3 V²Skim 500 Compact
Suitable for aquariums up to 500 litres/110 UK Gal with a flow rate of approx. 1200 l/hr

Dimensions: 228mm (w) x 170mm (d) x 347mm (h)

	code	specification	sales unit
1	5520	120 litres/26 UK gal	single

Available in UK, EU and US versions

1

GUARANTEE 12 MONTHS

Ultra Slimline Design

Versatile Mounting Brackets

Water Level Adjustment Dial

Easy to Remove Collection Cup

Unique, Hinged Design for Easy Cleaning

Supplied with a High Performance Pump

V²Skim 120 Nano Skimmer

- A high performance protein skimmer offering the build quality and features you would expect from our award-winning V²Skim range but in a compact size specifically designed with the nano or smaller aquarium in mind!
- Ultra-slimline design allows the V²Skim 120 Nano to be incorporated and easily hidden in nano aquariums of up to 120 litres/26 UK gallons or smaller tanks where space is limited.
- Incorporates a highly efficient injection system which optimises the perfect mixture of micro fine air bubbles and water and ensures intensive, efficient skimming and removal of proteins and other harmful toxins (waste) from the aquarium.
- The versatile design of the V²Skim 120 Nano makes it simple to install and the mounting brackets provided ensure that it can be incorporated with nano and smaller volume aquariums.
- The unique, hinged design of the V²Skim 120 Nano skimmer body ensures that all parts of the skimmer can be accessed for simple cleaning and maintenance.
- Easy to remove collection cup enables quick and effortless maintenance and cleaning.
- User friendly water level adjustment dial allows water level and flow to be finely tuned to ensure optimum foam consistency and highly efficient skimming.
- Supplied complete with a high performance pump which delivers the optimum flow and the perfect mixture of water and micro fine air bubbles.
- 12 month guarantee.

1 V²Skim 120 Nano Skimmer
Suitable for aquariums up to approx 120 litres/26 UK gal/31 US gal with a recommended flow rate of approx 720 l/hr.

Dimensions: 80mm (w) x 75mm (d) x 210mm (h)

code	specification	sales unit	
5221	400 litres/90 UK gal	single	1
5222	600 litres/130 UK gal	single	2
5223	800 litres/180 UK gal	single	3
5224	1000 litres/220 UK gal	single	4
5225	1200 litres/260 UK gal	single	5
5226	1500 litres/330 UK gal	single	6

Available in UK, EU and US versions

Supplied with a
High Performance Pump
and a
V²Bubble Stop

GUARANTEE 12 MONTHS

V²Skim Protein Skimmers

- High performance, quality protein skimmer incorporating a patented venturi injection system which optimises the perfect mixture of micro fine air bubbles and water and ensures intensive, efficient skimming and the removal of proteins and other harmful toxins (waste) from the aquarium.
- The versatile design allows the V²Skim Protein Skimmer to be used either as an external "hang-on" skimmer or internally in a sump or aquarium.
- The large, tapered collection cup improves foam concentration and is easily removable for quick and effortless cleaning.
- Specially designed inlet pipe and bracket ensures quick installation and easy maintenance.
- The water level adjustment dial allows water level and flow to be finely tuned to ensure optimum foam consistency and highly efficient skimming.
- The V²Skim's unique outlet pipe assembly allows the water to be returned to the aquarium or sump at exactly the desired angle or location.
- Ozone compatible
- 12 month guarantee.
- A full range of spares is available.

1 V²Skim 400
Suitable for aquariums up to approx 400 litres/90 UK gal/104 US gal with a recommended flow rate of approx 2400 l/hr.
Dimensions: 160mm (w) x 120mm (d) x 435mm (h)

2 V²Skim 600
Suitable for aquariums up to approx 600 litres/130 UK gal/156 US gal with a recommended flow rate of approx 2400 l/hr.
Dimensions: 180mm (w) x 135mm (d) x 510mm (h)

3 V²Skim 800
Suitable for aquariums up to approx 800 litres/180 UK gal/208 US gal with a recommended flow rate of approx 2800 l/hr.
Dimensions: 205mm (w) x 180mm (d) x 510mm (h)

4 V²Skim 1000
Suitable for aquariums up to approx 1000 litres/220 UK gal/260 US gal with a recommended flow rate of approx 2800 l/hr.
Dimensions: 205mm (w) x 180mm (d) x 610mm (h)

5 V²Skim 1200
Suitable for aquariums up to approx 1200 litres/260 UK gal/312 US gal with a recommended flow rate of approx 3400 l/hr.
Dimensions: 230mm (w) x 200mm (d) x 540mm (h)

6 V²Skim 1500
Suitable for aquariums up to approx 1500 litres/330 UK gal/390 US gal with a recommended flow rate of approx 3400 l/hr.
Dimensions: 230mm (w) x 200mm (d) x 640mm (h)

	code	specification	sales unit
1	5750	V²Skim Surface Skimmer	single
2	5715	V²Skim 300 Modified water intake strainer	single
3	5714	V²Skim 500 Modified water intake strainer	single

Unique, Patented Intake Strainer

Dual Water Intakes

Universal Connection for Easy Installation

Supplied with Securing Suction Cups

V²Skim Compact Surface Skimmer

In many aquariums a high percentage of accumulated dissolved proteins, detritus and waste material is found in the top few centimetres of the water.

Most conventional aquarium filters cannot process this water as they generally draw and filter the water from the lower levels of the aquarium. As a result, a build up of detritus, proteins and organics can occur on the surface of the water which can lead to poor water quality and also to the deterioration of oxygen exchange and light penetration into the aquarium.

By installing this new V²Skim Compact Surface Skimmer this problem can be simply solved. Water can be drawn into your filter or protein skimmer from both the surface and the lower levels of the aquarium providing a significant increase in the removal of dissolved proteins, detritus and waste material from the aquarium and an overall improvement in water quality.

- Unique patented floating intake strainer which automatically adjusts to changes in water level within the aquarium.
- Dual water intakes allow water to be drawn in from both the surface and lower levels within the aquarium.
- User friendly design allows for simple cleaning and maintenance.
- Universal connection allows for easy installation with 'hang on the back' type filters, external filters and also with the V²Skim 300 & 500 Compact Protein Skimmers **(modified intake strainers are required for connection to the V²Skim Compact Protein Skimmers – not supplied but sold separately).**

1 V²Skim Compact Surface Skimmer
Ideal for use with V²Skim 300 and 500 Compact Protein Skimmers

2,3 Modified intake strainer
For connection to V²Skim Compact Protein Skimmers

code	specification	sales unit	
	V²React Compact STANDARD		
5780	300 litres/66 UK gal	single	1
	V²React Compact ADVANCED		
5779	300 litres/66 UK gal	single	2
	V²React - with STANDARD DIN477* Pressure Regulator		
5382	600 litres/130 UK gal	single	3
5383	1000 litres/220 UK gal	single	4
5384	1500 litres/330 UK gal	single	5
	V²React - with STANDARD CGA320 Pressure Regulator**		
5765	600 litres/130 UK gal	single	6
5766	1000 litres/220 UK gal	single	7
5767	1500 litres/330 UK gal	single	8
	V²React ADVANCED - with DIN477* Pressure Regulator PRO		
5551	600 litres/130 UK gal	single	9
5552	1000 litres/220 UK gal	single	10
5553	1500 litres/330 UK gal	single	11
	V²React ADVANCED - with CGA320 Pressure Regulator PRO**		
5768	600 litres/130 UK gal	single	12
5769	1000 litres/220 UK gal	single	13
5770	1500 litres/330 UK gal	single	14

Available in UK, EU and US versions

***DIN477 Connection**
EU standard CO_2 cylinders with fitted gas control valve

****CGA320 Connection**
American standard CO_2 cylinders with pin valve connection e.g hobby and paintball cylinders

V²React and V²React Advanced units are supplied with an **Integral Pump** and a

FREE
CO_2 Pressure Regulator
OR
CO_2 Pressure Regulator PRO

V²React 300 *Compact* Calcium Reactors

- A high performance calcium reactor offering all of the qualities of the V²React Calcium Reactor range but in a space saving, hang-on design.
- Slimline profile - can be discreetly and conveniently positioned on the back or side of any aquarium or sump up to 300 litres/66 UK gallons.
- Integral pump acts as both a supply and recirculation pump – no need for a second pump or any modifications to existing pipework.
- Unique, integrated bubble counter makes it easy to measure the level of CO_2 being dosed to the calcium reactor
- Ideally used with TMC Coarse Coral Gravel (not supplied) but can also be used with other similar types of filter media.

1 V²React 300 Compact
Suitable for aquariums up to approx 300 litres/66 UK gal/80 US gal. Supplied with a 95g TMC CO_2 'One Use' CO_2 cylinder, a TMC CO_2 'One Use' cylinder stand and a TMC CO_2 Pressure Regulator Nano. *(See pages 20 & 58 for details on these products.)*
Requires 0.75kg of media.
Dimensions: 96mm (w) x 112mm (d) x 325mm (h)

2 V²React 300 Compact ADVANCED
As above but supplied with a TMC CO_2 Pressure Regulator Nano **Pro**. *(See page 20 for details.)*

V²React Calcium Reactors

- High performance calcium reactor incorporating a unique water intake system using a single integral pump which acts as both a supply and recirculation pump. This allows the V²React Calcium Reactor to be easily installed in any aquarium set up without the need for a second pump or any modifications to existing pipework.
- Integral bubble counter which enables easy, measurable dosing of CO_2 to the calcium reactor.
- pH probe holder which accepts all standard sizes of pH probes and enables the calcium reactor to be used in conjunction with pH monitors or controllers for more advanced aquarium set-ups.
- CO_2 pressure regulator which allows for the precise control, adjustment and dosage of CO_2 to the V²React Calcium Reactor. Standard units are supplied with a standard Pressure Regulator and the Advanced units are supplied with a Pressure Regulator PRO (with solenoid valve and two, easy to read pressure gauges showing both working pressure and CO_2 cylinder pressure in bar and psi).
- Ideally used with TMC Coarse Coral Gravel (not supplied) but can also be used with other similar types of filter media.
- 12 month guarantee.

3, 6, 9, 12 V²React 600/V²React 600 ADVANCED
Suitable for aquariums up to approx 600 litres/130 UK gal/160 US gal.
Requires 3 litres/2.5kg of media.
Dimensions: 190mm (w) x 190mm (d) x 380mm (h)

4, 7, 10, 13 V²React 1000/V²React 1000 ADVANCED
Suitable for aquariums up to approx 1000 litres/220 UK gal/260 US gal.
Requires 4 litres/3kg of media.
Dimensions: 198mm (w) x 198mm (d) x 374mm (h)

5, 8, 11, 14 V²React 1500/V²React 1500 ADVANCED
Suitable for aquariums up to approx 1500 litres/330 UK gal/390 US gal.
Requires 6.5 litres/4.5kg of media.
Dimensions: 243mm (w) x 243mm (d) x 370mm (h)

	code	specification	sales unit
1	5209	120 litres/26 UK gal	single
2	5210	200 litres/50 UK gal	single
3	5211	300 litres/66 UK gal	single
4	5212	400 litres/90 UK gal	single
5	5213	600 litres/130 UK gal	single

Available in UK, EU and US versions

Now supplied with a **clear 90° plastic elbow,** offering a variety of flexible pipe orientations!

TMC Aquarium

V²ecton UV Sterilisers

- New design, manufactured from impact resistant, translucent polycarbonate.
- Opposing inlet and outlet for easy installation and connection to the water supply.
- Four stage hosetails for flexible hose from ½" to 1¼", held in place with screw on collars for easy removal when servicing and maintaining unit.
- UV shield to prevent direct viewing of the UV lamp.
- 90° pivoting clear plastic elbow, for easier and more versatile hose management.
- Compact, rigid pipe adaptors, for connection to 32mm, 40mm or 1" rigid pipe, are available.
- 36 month guarantee.

1 **V²ecton 120**
Suitable for aquariums up to approx 120 litres/26 UK gal/31 US gal.
Uses 1 x 6W G6T5 UV Lamp.
Dimensions: 300mm (w) x 70mm (d) x 130mm (h)

2 **V²ecton 200**
Suitable for aquariums up to approx 200 litres/50 UK gal/60 US gal.
Uses 1 x 8W G8T5 UV Lamp.
Dimensions: 360mm (w) x 100mm (d) x 200mm (h)

3 **V²ecton 300**
Suitable for aquariums up to approx 300 litres/66 UK gal/80 US gal.
Uses 1 x 16W G16T5 UV Lamp.
Dimensions: 460mm (w) x 100mm (d) x 200mm (h)

4 **V²ecton 400**
Suitable for aquariums up to approx 400 litres/90 UK gal/110 US gal.
Uses 1 x 15W G15T8 UV Lamp.
Dimensions: 660mm (w) x 100mm (d) x 200mm (h)

5 **V²ecton 600**
Suitable for aquariums up to approx 600 litres/130 UK gal/160 US gal.
Uses 1 x 25W G25T8 UV Lamp.
Dimensions: 660mm (w) x 100mm (d) x 200mm (h)

code	specification	sales unit	
	V²Bio Fluidised Sand Bed Filters		
5720	up to 600 litres/130 UK gal	single	1
5721	up to 1000 litres/220 UK gal	single	2
5722	up to 1500 litres/330 UK gal	single	3
5723	V²Bio Replacement Media - Silica Sand	single	4
5724	V²Bio Replacement Media - Marine Oolitic Sand	single	5
	V²Bio React Pellet Reactor		
5785	up to 500 litres/110 UK gal	single	6

TMC Aquarium

V²Bio Fluidised Sand Bed Filters

- Utilise the most efficient method of aerobic biological filtration available.
- Versatile compact design - can be installed internally in a sump or aquarium or externally as a stand alone or 'hang-on' filter.
- Can be easily incorporated with any aquarium set-up. Just connect to pump or power filter (NOT SUPPLIED) to create an advanced professional filtration system.
- Specially designed media diffuser bowl ensures uniform fluidisation of filter media.
- Supplied complete with silica sand. Marine oolitic sand is available separately.
- Can also be used to fluidise other media and is ideal for use with phosphate removing media.
- Supplied complete with useful fittings and accessories for quick and simple installation.
- Suitable for both freshwater and marine applications.
- Three models available for aquariums of up to 1500 litres/330 UK Gallons.

1 V²Bio 600 - Fluidised Sand Bed Filter
For aquariums of up to 600 litres/130 UK gal
Dimensions: 95mm (w) x 167mm (d) x 280mm (h)

2 V²Bio 1000 - Fluidised Sand Bed Filter
For aquariums of up to 1000 litres/220 UK gal
Dimensions: 95mm (w) x 167mm (d) x 460mm (h)

3 V²Bio 1500 - Fluidised Sand Bed Filter
For aquariums of up to 1500 litres/330 UK gal
Dimensions: 95mm (w) x 167mm (d) x 640mm (h)

4 V²Bio Replacement Media - Silica Sand

5 V²Bio Replacement Media - Marine Oolitic Sand

V²Bio React 500

Pellet Reactor

- Unique patented design incorporating a specially-designed flow inductor which maximises the media-to-water contact time within the reactor and ensures efficient fluidisation of media even when using lower flow rate pumps.
- The unique design of the flow inverter ensures that the media is kept in suspension and the specially designed media diffuser bowl ensures optimum fluidisation of media and upward dispersal of water.
- Versatile compact design - can be installed internally in a sump or aquarium or externally as a stand alone or 'hang-on' reactor.
- Can be used with both freshwater and marine aquariums. Just connect to a pump or power filter (not supplied) for an advanced set up.
- Ideal for 500ml of nitrate/phosphate removing pellets (flow rates through the reactor may need to be adjusted depending on media used) but can be used with many types of media.
- Supplied complete with a range of fittings for quick and simple installation (additional fittings may be required depending on individual installation).

6 V²Bio React 500 - Pellet Reactor
For aquariums up to 500 litres/110 UK gal.*
Approx. max. media capacity: 800ml (depending on media used).
Maximum flow rate: approx. 1500 l/hr.
Inlet/outlet size = 16mm.
Dimensions: 140mm (w) x 250mm (d) x 396mm (h)

** based on using 500ml of nitrate/phosphate removing pellets.*

	code	specification	sales unit
1	5755	50w Digital Heater	single
2	5756	100w Digital Heater	single
3	5757	200w Digital Heater	single
4	5758	300w Digital Heater	single

Available in UK and EU versions

ClearView LED Display

V²Therm Digital Heaters

- Incorporates advanced digital micro-processing technology.
- Digitally adjustable for precise temperature setting.
- Monitors and displays real time water temperature via a "ClearView" LED display.
- Equipped with sophisticated "Temperature Recall" micro chip.
- Fully submersible.
- Temperature set range: 20°C - 34°C.
- Tolerance ± 1°C.
- Thermal cut-off.
- Toughened glass heater element.
- Reinforced plastic heater element guard.
- Excellent heat diffusion properties.
- Simple installation using mounting brackets and suction cup clips provided.
- 1.8m power cable.
- Suitable for both marine & freshwater aquariums.

1 **V²Therm 50 Digital Heater**
for aquariums up to 60 litres/13 UK Gallons

2 **V²Therm 100 Digital Heater**
for aquariums up to 120 litres/26 UK Gallons

3 **V²Therm 200 Digital Heater**
for aquariums up to 240 litres/53 UK Gallons

4 **V²Therm 300 Digital Heater**
for aquariums up to 350 litres/77 UK Gallons

code	specification	sales unit	
5851	V²Pure 50 RO System (not shown)	single	1
5852	V²Pure 75 RO System	single	2
5853	V²Pure 100 RO System (not shown)	single	3
5893	V²Pure 360 RO System (not shown)	single	4
5854	V²Pure 50 Advanced RO System inc in-Line TDS Monitor	single	5
5855	V²Pure 75 Advanced RO System inc in-Line TDS Monitor (not shown)	single	6
5856	V²Pure 100 Advanced RO System inc in-Line TDS Monitor (not shown)	single	7
5894	V²Pure 360 Advanced RO System inc in-Line TDS Monitor	single	8

8

2

GUARANTEE 12 MONTHS

V²Pure "Advanced" units

The "Advanced" units have all the benefits of the standard models but also incorporate a feature-packed in-line TDS monitor which measures the Total Dissolved Solids value both before AND after water passes through the V²Pure RO System, providing a visual indicator of its performance.

For more information on the TDS Monitor please see page 15.

Compact Space-Saving Design with Wall-Mounting Bracket

Integral Pressure Gauge

Combined Flow Restrictor and Manual Flush Valve

5

A full range of spares and accessories is available. Please ask for details

V²Pure Reverse Osmosis System

- Three-stage, professional RO system incorporating high quality components.
- 10" sediment pre-filter which functions as a first stage filter, removing particles of up to 5 microns from the water whilst also protecting and prolonging the life of the RO membrane. This pre-filter is enclosed inside a transparent filter housing so it is easy to see when the filter needs to be changed.
- 10" activated carbon block filter which offers the highly effective removal of contaminants such as chlorine and colourants from the water.
- High quality Thin Film Composite (TFC) RO membrane, which removes contaminants such as heavy metals and hardness-forming minerals from the water, as well as a high percentage of nitrates and phosphates.
- Integral pressure gauge which helps to indicate when the RO membrane may need to be flushed or replaced, ensuring the RO system gives the optimum performance.
- Integral flow restrictor/manual flush valve which prevents excess water flow to the RO membrane and allows regular flushing of the RO membrane to prolong its life.
- Additional modules are available such as the V²Pure De-ionising Pod which can be added to further enhance the performance of the RO system.
- Compact, space-saving design incorporating a strong, metal wall-mounting bracket ensuring quick and simple installation.
- Supplied complete with a self-piercing water connector, drain clamp, 6m of 1/4" RO flexible tubing (2m white/2m red/2m blue) and a filter housing removal tool.

1 & 5 V²Pure 50/V²Pure 50 Advanced
Suitable for producing up to 50 US gal/42 UK gal/190 litres of water per day*
Dimensions: 350mm (w) x 150mm (d) x 385mm (h)

2 & 6 V²Pure 75/V²Pure 75 Advanced
Suitable for producing up to 75 US gal/63 UK gal/285 litres of water per day*
Dimensions: 350mm (w) x 150mm (d) x 385mm (h)

3 & 7 V²Pure 100/V²Pure 100 Advanced
Suitable for producing up to 100 US gal/84 UK gal/380 litres of water per day*
Dimensions: 350mm (w) x 150mm (d) x 385mm (h)

4 & 8 V²Pure 360/V²Pure 360 Advanced - IDEAL FOR SHOP USE!
Suitable for producing up to 360 US gal/300 UK gal/1360 litres of water per day*
Dimensions: 350mm (w) x 150mm (d) x 450mm (h)

PLEASE NOTE:
- The V²Pure 360 units each have TWO high quality TFC RO membranes.
- As the V²Pure 360 units are primarily for own use they are supplied in plain boxes (**NOT** retail colour boxes).

* **NB:** RO water production capacities and contaminant rejection rates are based on an ambient temperature of 25°C and a mains water operating pressure of 50 psi (approx 3.5 bar). Please note that the RO water production capacity and contaminant rejection rates will be reduced at lower ambient temperatures and in areas of lower mains water pressures so this must be taken into account when choosing the correct RO model for your requirements.

	code	specification	sales unit
1	5857	V²Pure In-Line TDS Monitor	single
		V²Pure Accessories	
2	5858	V²Pure 50 Replacement RO Membrane (not shown)	single
3	5859	V²Pure 75 Replacement RO Membrane (not shown)	single
4	5860	V²Pure 100 Replacement RO Membrane (not shown)	single
5	5895	V²Pure 360 Replacement RO Membrane (not shown)	single
6	5861	V²Pure De-Ionising Pod (500ml) inc resin	single
7	5862	V²Pure Activated Carbon Block Cartridge	single
8	5863	V²Pure 5 micron Sediment Cartridge	single

GUARANTEE 12 MONTHS

TMC Aquarium

1

6

7

8

A full range of spares and accessories is available. Please ask for details.

V²Pure TDS Monitor

- In-line digital TDS monitor which measures and provides a highly accurate 'real-time' display of total dissolved solids levels before AND after water passes through the RO system, providing a visual indicator of its performance.
- 'Real-time' calculation of TDS removal rate with a removal rate indicator. When the TDS removal rate is above 80% the LED glows green and when the TDS removal rate drops below 80% the LED glows red.
- Dual, 3 digit LCD display with backlight.
- Easy to use with quick-connect fittings for simple installation.
- Selectable monitoring mode - battery saving or continuous monitoring using a mains power adapter (not supplied).
- 1 x long-life 3v lithium battery (CR2032) included.

1 V²Pure TDS Monitor

Detection Range: 0-999 ppm
Sensitivity: 1 ppm
Accuracy: ±2%
Weight 25g
Dimensions: 100mm (L) x 8mm (W) x 40mm (H)

code	specification	sales unit	
5790-UK	V²Ozone Ozone Generator	single	1

Available in UK, EU and US versions

Programmable for
25-250mg/hr

1

GUARANTEE 12 MONTHS

Suitable for Marine AND Freshwater Aquariums

Unique "High Purity Ceramic" Ozone Cell Design

Microprocessor Controlled Fan Cooling

Splash-proof Keyboard and LED Front Panel

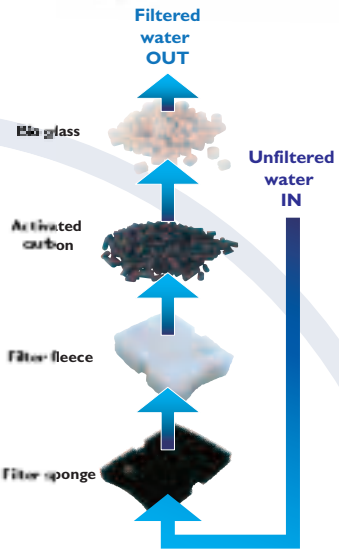
V²O³zone Ozone Generator

- Raises oxidising levels (ORP) which helps to break down harmful waste products produced by fish, removing yellowing compounds and creating crystal clear water.
- Suppresses parasite, bacterial and fungal activity providing a healthier environment for livestock in aquariums and ponds.
- Improves skimmer efficiency by converting fish waste into more easily removable by-products.
- Programmable for 25 - 250mg/hr ozone using soft start PWM technology.
- Unique "high purity ceramic"ozone cell design with microprocessor-controlled fan cooling for highly efficient and reliable operation.
- Inbuilt timer for 1 - 10 hours ozone generation in consecutive 12 hour periods.
- Splash-proof keyboard and LED front panel.
- LED bar display for both the programmed ozone concentration and timer period.
- Blinking LED indication that ozone output is active.
- Suitable for marine and freshwater aquariums from 25 - 2500 litres and ponds up to 5000 litres.

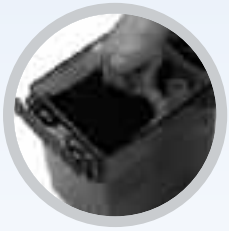
1 V²Ozone Ozone Generator

	code	specification	sales unit
1	5900	V²PowerBox 100 Nano 12mm inlet/16mm outlet	single
2	5901	V²PowerBox 200 16mm inlet/16mm outlet	single
3	5902	V²PowerBox 400 19mm inlet/19mm outlet	single

Supplied complete with installation fittings and hosing



Available in UK and EU versions



V²PowerBox External Filters

High quality, professional external filters providing complete multi-stage filtration for marine and freshwater aquariums up to 400 litres.

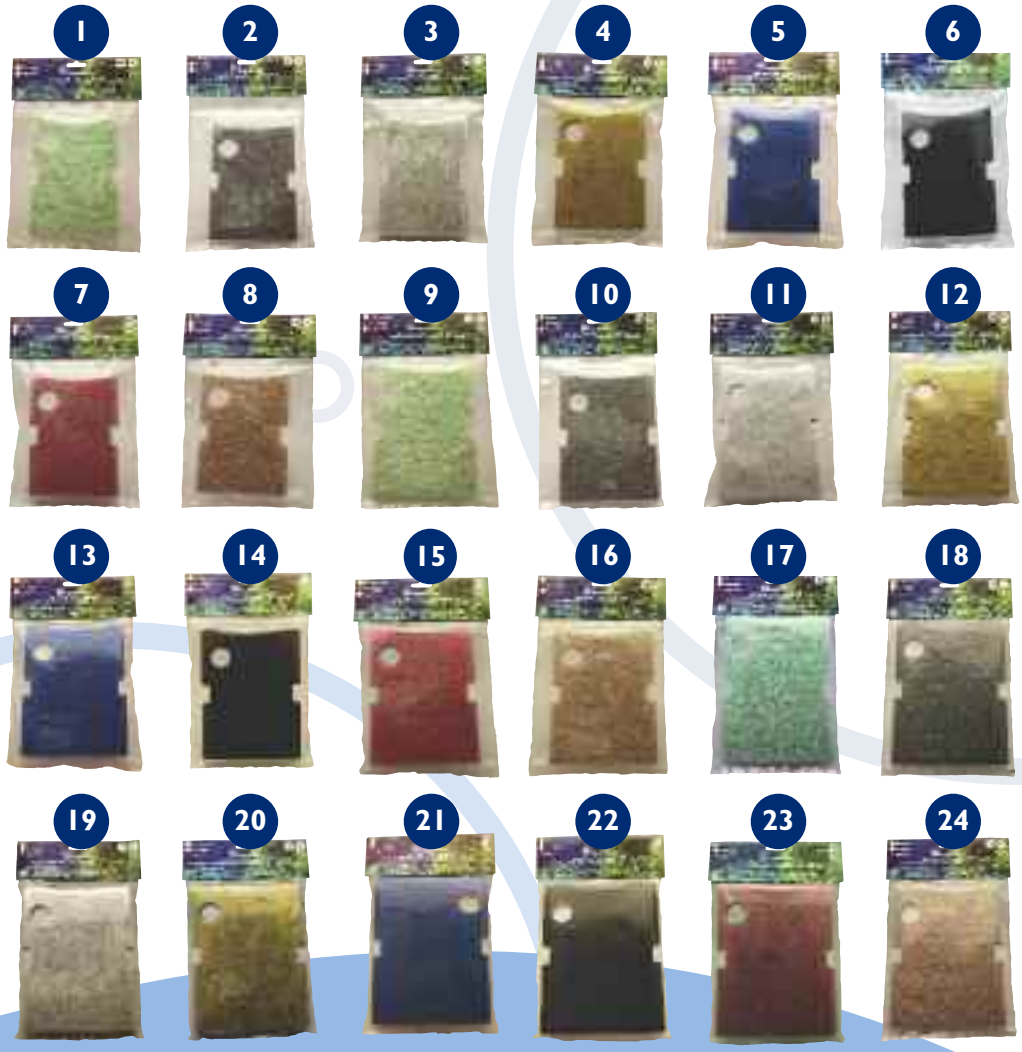
- Quick Start push button primer allows for instant priming and quick and easy installation, eliminating the need for manual priming and avoiding any risk of water spillage.
- Unique multi-stage modular filtration trays combine both mechanical and biological filtration ensuring complete filtration of the aquarium whilst also allowing for easy removal and replacement of filtration media.
- Quick release hosetail taps allow for simple connection and maintenance. These taps can be manoeuvred through 360° to eliminate any kinks in the hosing and to aid installation in even the smallest cabinet or set-up.
- Two large safety locks and slide locks ensure the filter is completely watertight whilst also allowing easy access to the filtration and pump chambers for simple maintenance.
- Telescopic water intake strainer system allows the V²PowerBox to be used with all aquariums, whilst the outlet spray bar ensures maximum water circulation of the filtered water around the aquarium.
- The V²PowerBox is powered by a quiet, energy efficient pump which provides high performance at a low wattage with virtually no noise.
- Unique, ergonomic space-saving design provides the complete filtration solution to complement the latest sleek 'lifestyle' aquariums.
- Three filters available in the range for aquariums up to 400 litres.

1 V²PowerBox 100 Nano
Max Aquarium Size: 100 litres/22 UK Gal
Effective Filtration Volume: 3.5 litres. Approx Flow Rate: 500 l/hr
Dimensions: 160mm (w) x 230mm (d) x 390mm (h)

2 V²PowerBox 200
Max Aquarium Size: 200 litres/44 UK Gal
Effective Filtration Volume: 7 litres. Approx Flow Rate: 860 l/hr
Dimensions: 180mm (w) x 250mm (d) x 470mm (h)

3 V²PowerBox 400
Max Aquarium Size: 400 litres/88 UK Gal
Effective Filtration Volume: 14 litres. Approx Flow Rate: 1,020 l/hr
Dimensions: 210mm (w) x 280mm (d) x 570mm (h)

code	specification	sales unit	
V²PowerPads for V²PowerBox 100 Nano			
5950	Phosphate (PO4) Reduction Pad	single	1
5953	Nitrite (NO2) & Nitrate (NO3) Reduction Pad	single	2
5956	Filtration Start up Pad	single	3
5959	Activated Carbon Filter Pad	single	4
5962	Water Clarity Filter Pad (Marine)	single	5
5965	Water Clarity Filter Pad (Freshwater)	single	6
5968	Calcium (Ca2+) & Magnesium (Mg2+) Supplement Pad	single	7
5971	Ammonia (NH3) Reduction Pad	single	8
V²PowerPads for V²PowerBox 200			
5951	Phosphate (PO4) Reduction Pad	single	9
5954	Nitrite (NO2) & Nitrate (NO3) Reduction Pad	single	10
5957	Filtration Start up Pad	single	11
5960	Activated Carbon Filter Pad	single	12
5963	Water Clarity Filter Pad (Marine)	single	13
5966	Water Clarity Filter Pad (Freshwater)	single	14
5969	Calcium (Ca2+) & Magnesium (Mg2+) Supplement Pad	single	15
5972	Ammonia (NH3) Reduction Pad	single	16
V²PowerPads for V²PowerBox 400			
5952	Phosphate (PO4) Reduction Pad	single	17
5955	Nitrite (NO2) & Nitrate (NO3) Reduction Pad	single	18
5958	Filtration Start up Pad	single	19
5961	Activated Carbon Filter Pad	single	20
5964	Water Clarity Filter Pad (Marine)	single	21
5967	Water Clarity Filter Pad (Freshwater)	single	22
5970	Calcium (Ca2+) & Magnesium (Mg2+) Supplement Pad	single	23
5973	Ammonia (NH3) Reduction Pad	single	24



A great way to add even more advanced filtration capability into the V²PowerBox Filters!

V² PowerPads

1, 9 & 17 Phosphate (PO4) Reduction Filter Pad
Absorbs and reduces phosphate (PO4) to enhance and improve aquarium water quality

For best results:-
- Always ensure good water flow through the filter pad
- Replace every 4 weeks, or before, if elevated levels of phosphate are detected in the water
- Must be used in conjunction with regular testing of water parameters

2, 10 & 18 Nitrite (NO2) & Nitrate (NO3) Reduction Filter Pad
Absorbs and reduces nitrite (NO2) and nitrate (NO3) to enhance and improve aquarium water quality

For best results:-
- Always ensure good water flow through the filter pad
- Replace every 4 weeks, or before, if elevated levels of nitrite and/or nitrate are detected in the water
- Must be used in conjunction with regular testing of water parameters

3, 11 & 19 Filtration Start up Pad
Improves the maturation process and nitrogen cycle of a new aquarium and filtration system

For best results:-
- Always ensure good water flow through the filter pad
- Remove once maturation process is complete and aquarium is established
- Must be used in conjunction with regular testing of water parameters

4, 12 & 20 Activated Carbon Filter Pad
Absorbs and reduces dissolved organics and other toxic substances to enhance and improve aquarium water quality

For best results:-
- Always ensure good water flow through the filter pad
- Replace every 4 weeks

5, 13 & 21 Water Clarity Filter Pad (Marine)
Releases a flocculant which clumps together fine particles suspended in the water, making them easier to filter out, enhancing and improving aquarium water clarity

For best results:-
- Always ensure good water flow through the filter pad
- Replace every 4 weeks
- For optimum results a filter fleece should also be used in your filtration system to ensure the flocculated particles are removed

6, 14 & 22 Water Clarity Filter Pad (Freshwater)
Releases a flocculant which clumps together fine particles suspended in the water, making them easier to filter out, enhancing and improving aquarium water clarity

For best results:-
- Always ensure good water flow through the filter pad
- Replace every 4 weeks
- For optimum results a filter fleece should also be used in your filtration system to ensure the flocculated particles are removed

7, 15 & 23 Calcium (Ca2+) & Magnesium (Mg2+) Supplement Pad
Releases Calcium and Magnesium ions to enhance and improve aquarium water quality

For best results:-
- Always ensure good water flow through the filter pad
- Replace every 4 weeks, or before, if reduced levels of calcium and magnesium are detected in the water
- Must be used in conjunction with regular testing of water parameters

8, 16 & 24 Ammonia (NH3) Reduction Filter Pad
Absorbs and reduces ammonia to enhance and improve aquarium water quality

For best results:-
- Always ensure good water flow through the filter pad
- Replace every 4 weeks, or before, if elevated levels of ammonia are detected in the water
- Must be used in conjunction with regular testing of water parameters

Please note: multiple PowerPads can be used together to enhance performance.

	code	specification	sales unit
1	5533	V²Control pH Controller	single
2	5532	V²Control pH Controller/Monitor	single
3	9505	V²Auto Top Up System	single
4	9506	V²Auto Top Up System ***Plus***	single
5a	9515	V²Auto Top Up Solenoid (exc PSU)	single
5b	9516	V²Auto Top Up Solenoid (inc PSU)	single

Available in UK, EU and US versions

Coming Soon!
Nano V²Auto Top Up System

V²Control Controllers/Monitors

1 V²Control pH Controller
High precision pH controller ideal for professional advanced aquarium set-ups for easy measurement and control of pH.

- Extremely user friendly, for simple installation and use.
- Large, easy to read LED display provides clear visual indication of pH level.
- Digitally adjustable to allow for accurate adjustments and precise control.
- Includes pH probe with 2m connecting cable and handy pH probe mounting bracket allowing for quick and easy installation.
- Includes pH calibration solutions.
- Unique, versatile design allows the controller to be conveniently fixed to a wall or inside a cabinet or simply situated next to the aquarium/sump.
- Measurement Range: pH 0 to pH 14. Resolution 0.01 pH.
- Accuracy at 25°C 0.01 pH ± 2 digits (after calibration).
- Set Point Range: pH 3.5 – pH 10.5.
- Ideal for combining with the V² Pressure Regulator Pro for advanced aquarium set-ups.

2 V²Control pH Controller and Monitor
As above, but combined with an independent pH monitor ideal for professional advanced aquarium set-ups ensuring the optimum measurement, monitoring and control of pH.

- Unique design incorporates 2 x pH probes (each with a 2m connecting cable) offering precise control of pH as well as accurate measurement of pH within the aquarium.

V² Auto Top Up Systems

- Safe, low voltage auto top-up system incorporating a high quality float switch.
- Ideal for topping up evaporated water in both marine and freshwater aquariums.
- Simple to install using the unique mounting bracket which incorporates a locking suction cup, float switch guard and a securing clamp to hold the top-up hosing in place.
- Supplied complete with an energy efficient 3.5w 12v DC pump capable of 200 l/hr (max head 2m) and 2m of 6mm/9mm flexible top-up hosing.
- Full range of spares and accessories available allowing additional components, such as a solenoid valve (available separately) to be easily integrated into the system.
- Two versions are available as follows:-

3 V²Auto Top Up System
Contains: 1 float switch, 12v DC Pump, 2m flexible hosing.

4 V²Auto Top Up System *Plus*
Contains: 2 float switches, 12v DC Pump, 2m flexible hosing.

5 V²Auto Top Up Solenoid

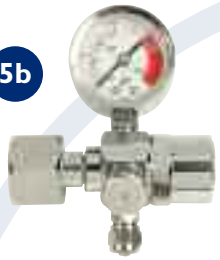
- High quality 12v DC solenoid valve for aquarium applications.
- Maximum operating pressure: 8 bar.
- Pressure fittings for 4/6mm flexible hosing.
- Energy efficient low wattage (4w).
- Can be used in CO_2 systems.
- NOT SUITABLE FOR USE IN SALT WATER.

code	specification	sales unit	
9501	V²Refractometer	single	1
5617	CO_2 by TMC Cylinder 567g	single	2
2963	CO_2 by TMC One-Use Cylinder 95g	single	3
5616	CO_2 by TMC One-Use Cyl. stand	single	4
5386	V²Pressure Regulator (DIN477 connection*)	single	5a
5387	V²Pressure Regulator (CGA320 connection**)	single	5b
5385	V²Pressure Regulator Pro (DIN477 connection*)	single	6a
5388	V²Pressure Regulator Pro (CGA320 connection**)	single	6b
2962	CO_2 Pressure Regulator Nano	single	7
2966	CO_2 Pressure Regulator Nano Pro	single	8
5754	V²Dosing Pump with PSU (master)	single	9a
5759	V²Dosing Pump without PSU (slave)	single	9b

Pressure Regulator Pros and Dosing Pump available in UK, EU and US versions

***DIN477 Connection**
EU standard CO_2 cylinders with fitted gas control valve

****CGA320 Connection**
American standard CO_2 cylinders with pin valve connection e.g hobby and paintball cylinders



V² Miscellaneous Products

1 V²Refractometer
- Automatic temperature compensation.
- High resolution, dual scale - SG and PPT.
- Simple focus adjustment.
- Wipe-clean lens.
- Easy to calibrate using screwdriver supplied.
- Simple water application using pipette supplied.

2 CO_2 by TMC Cylinder
- 567g/20oz refillable CO_2 cylinder.

3 CO_2 by TMC "One Use" Cylinder
- 95g/3.4oz single use (non-refillable) CO_2 cylinder.
- Lasts up to 4 weeks (depending on application).

4 CO_2 by TMC "One Use" Cylinder Stand
- Moulded stand designed specifically to ensure that the 'One Use' disposable CO_2 cylinder is kept vertically upright and secure whilst in use.

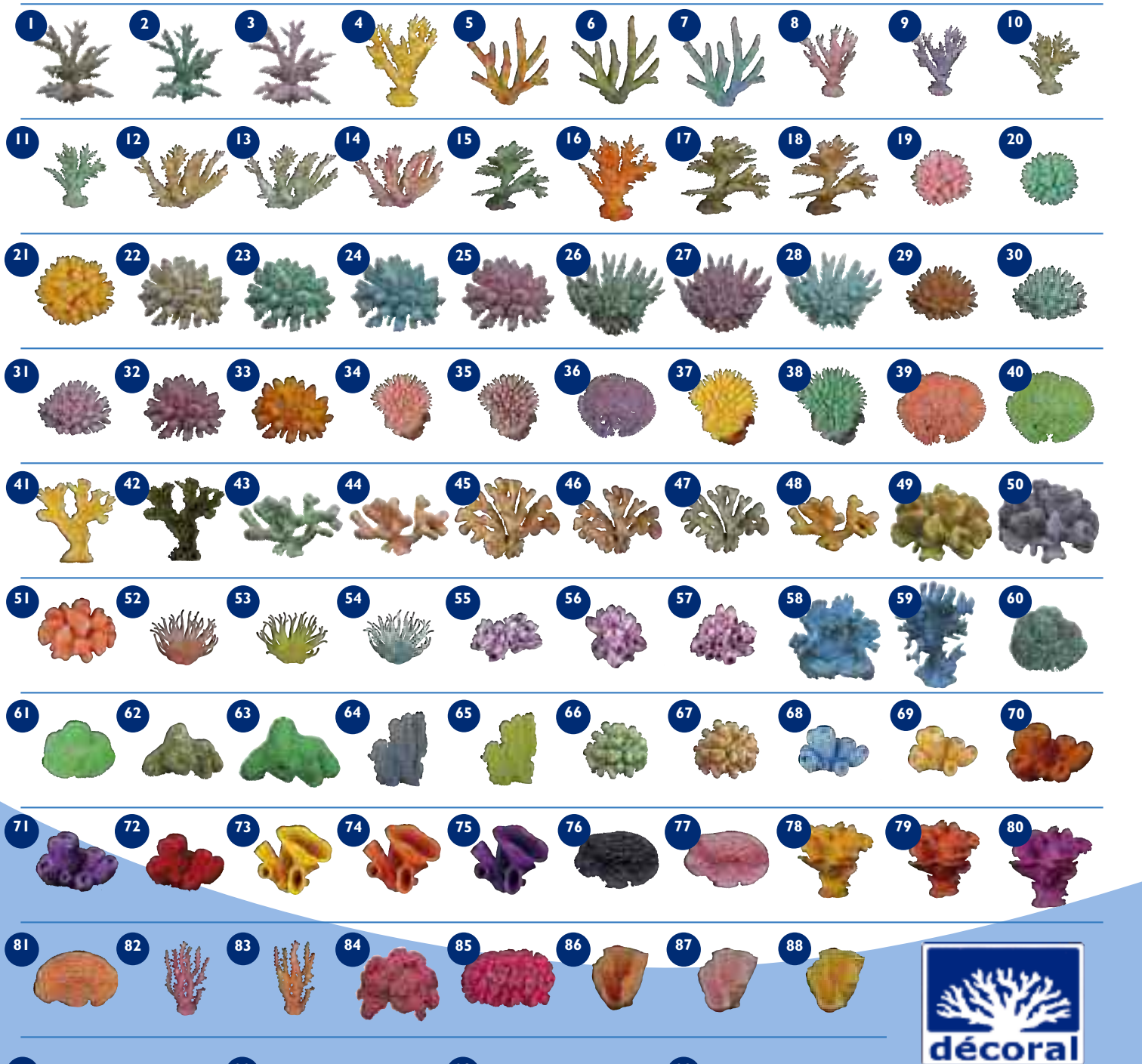
5 V²Pressure Regulator
- High precision CO_2 pressure regulator designed specifically for aquarium use.
- Accurate adjustment allows for the precise dosing of CO_2.
- Easy to read pressure gauge showing both bar and psi.
- Designed for easy connection to CO_2 cylinders.

6 V²Pressure Regulator Pro
- High precision CO_2 pressure regulator with an integrated solenoid valve designed specifically for advanced aquarium use.
- Integrated solenoid valve enables the automated control of CO_2 in more advanced aquarium setups (when combined with the appropriate equipment).
- Two, easy to read pressure gauges showing both working pressure and CO_2 cylinder pressure in bar and psi.

7 CO_2 Pressure Regulator Nano
High precision nano CO_2 pressure regulator designed specifically for aquarium use.

8 CO_2 Pressure Regulator Nano Pro
High precision nano CO_2 pressure regulator with an integrated solenoid valve designed for advanced aquarium use.

9 V²Dosing Pump
- Compact high precision programmable dosing pump.
- Extremely user friendly, for simple set-up and use.
- Incorporates advanced micro-processing digital technology.
- Micro-digitally adjustable for accurate and reliable dosing.
- Unique calibration feature ensures ongoing dosing accuracy.
- Clear, easy to read LED digital display
- Versatile, space saving design allows for easy installation.
- Expandable system, allowing up to 3 dosing pumps to be connected together and run from just one PSU.
- Ideal for accurately dosing supplements in both freshwater and saltwater aquariums.
- Parts easily accessible for maintenance.
- Safe low voltage 12v DC.
- Energy saving low wattage: 2.2w.
- Supplied complete with 3m flexible hosing.
- 12 month guarantee.
- Dosage: 1-99ml per hour.
- Dosage frequency: max 24 times per day.



décoral

décoral Synthetic Coral Replicas

décoral's polyurethane material is formulated to produce the most realistic, wear resistant and affordable coral replicas available today.

- Polyurethane is not only flexible, inert and non-toxic, but also UV and temperature resistant. It does not off-gas, harden or fracture like soft poly-resin, resulting in an attractive, non-abrasive, durable and long-lasting product.
- All coral replicas are supplied with specially engineered, removable plastic fixing pegs, allowing corals to be easily mounted in any reef set-up.

code	specification	sales unit	
AC1233	19 x 15 x 15cm	single	1
AC1236	19 x 15 x 15cm	single	2
AC1238	19 x 15 x 15cm	single	3
AC1313	20.5 x 25.5 x 12.5cm	single	4
AC1433	28 x 25.5 x 14.5cm	single	5
AC1436	28 x 25.5 x 14.5cm	single	6
AC1439	28 x 25.5 x 14.5cm	single	7
AC1311	20.5 x 25.5 x 12.5cm	single	8
AC1312	20.5 x 25.5 x 12.5cm	single	9
AC3230	19 x 18 x 5cm	single	10
AC3231	19 x 18 x 5cm	single	11
AC3330	23 x 18 x 12.5cm	single	12
AC3331	23 x 18 x 12.5cm	single	13
AC3338	23 x 18 x 12.5cm	single	14
AC3431	30.5 x 25.5 x 12.5cm	single	15
AC3234	19 x 18 x 5cm	single	16
AC3430	30.5 x 25.5 x 12.5cm	single	17
AC3434	30.5 x 25.5 x 12.5cm	single	18
AC4011	9 x 5 x 9cm	single	19
AC4014	9 x 5 x 9cm	single	20
AC4013	9 x 5 x 9cm	single	21
AC4135	14 x 9 x 12.5cm	single	22
AC4136	14 x 9 x 12.5cm	single	23
AC4137	14 x 9 x 12.5cm	single	24
AC4138	14 x 9 x 12.5cm	single	25
AC4231	18 x 12.5 x 12.5cm	single	26
AC4232	18 x 12.5 x 12.5cm	single	27
AC4237	18 x 12.5 x 12.5cm	single	28
AC4334	23 x 12.5 x 18.5cm	single	29
AC4336	23 x 12.5 x 18.5cm	single	30
AC4338	23 x 12.5 x 18.5cm	single	31

code	specification	sales unit	
AC4133	14 x 9 x 12.5cm	single	32
AC4134	14 x 9 x 12.5cm	single	33
AC5111	12.5 x 15 x 10cm	single	34
AC5112	12.5 x 15 x 10cm	single	35
AC5412	29 x 18 x 20.5cm	single	36
AC5113	12.5 x 15 x 10cm	single	37
AC5114	12.5 x 15 x 10cm	single	38
AC5411	29 x 18 x 20.5cm	single	39
AC5414	29 x 18 x 20.5cm	single	40
AC9613	38 x 35.5 x 16.5cm	single	41
AC9625	38 x 35.5 x 16.5cm	single	42
PO2231	23 x 14 x 10cm	single	43
PO2233	23 x 14 x 10cm	single	44
PO2430	30.5 x 23 x 20.5cm	single	45
PO2433	30.5 x 23 x 20.5cm	single	46
PO2436	30.5 x 23 x 20.5cm	single	47
PO2234	23 x 14 x 10cm	single	48
ST1221	15 x 9 x 15cm	single	49
ST1224	15 x 9 x 15cm	single	50
ST1222	15 x 9 x 15cm	single	51
AN1111	12.5 x 7 x 12.5cm	single	52
AN1113	12.5 x 7 x 12.5cm	single	53
AN1114	12.5 x 7 x 12.5cm	single	54
BA1112	13 x 7.5 x 9cm	single	55
BA1212	15 x 14 x 14cm	single	56
BA1312	21.5 x 11.5 x 17cm	single	57
HE1201	18 x 15 x 12.5cm	single	58
HE1301	18 x 21.5 x 12.5cm	single	59
LO1117	11.5 x 6.5 x 10cm	single	60
LO1118	11.5 x 6.5 x 10cm	single	61
LO1317	21.5 x 12.5 x 14cm	single	62

code	specification	sales unit	
LO1318	21.5 x 12.5 x 14cm	single	63
MI1401	26 x 30.5 x 10cm	single	64
MI1420	26 x 30.5 x 10cm	single	65
PO1131	12.5 x 7.5 x 10cm	single	66
PO1133	12.5 x 7.5 x 10cm	single	67
SP1208	14.5 x 10 x 11.5cm	single	68
SP1213	14.5 x 10 x 11.5cm	single	69
SP1207	14.5 x 10 x 11.5cm	single	70
SP1250	14.5 x 10 x 11.5cm	single	71
SP1251	14.5 x 10 x 11.5cm	single	72
SP2319	24 x 24 x 21.5cm	single	73
SP2326	24 x 24 x 21.5cm	single	74
SP2350	24 x 24 x 21.5cm	single	75
TU1303	25.5 x 18 x 10cm	single	76
TU1311	25.5 x 18 x 10cm	single	77
TU1419	21.5 x 17.5 x 21.5cm	single	78
TU1426	21.5 x 17.5 x 21.5cm	single	79
TU1450	21.5 x 17.5 x 21.5cm	single	80
TU1307	25.5 x 18 x 10cm	single	81
TB1406	24 x 30.5 x 10cm	single	82
TB1407	24 x 30.5 x 10cm	single	83
TP1202	18 x 12.5 x 15cm	single	84
TP1402	32 x 15 x 19cm	single	85
TU2307	16.5 x 19 x 23cm	single	86
TU2311	16.5 x 19 x 23cm	single	87
TU2319	16.5 x 19 x 23cm	single	88
MP1000	Mini pack of 4 corals	single	89
MP2000	Mini pack of 4 corals	single	90
MP3000	Mini pack of 4 corals	single	91
MP4000	Mini pack of 4 corals	single	92

décoral

GUARANTEE. We are so confident in **décoral's** coral replicas that, if for any reason they do not meet your expectations, a credit or refund will be given upon receipt of the returned merchandise.

1 **Acropora nobilis.** Staghorn - rose/yellow.
2 **Acropora nobilis.** Staghorn - tan/aqua.
3 **Acropora nobilis.** Staghorn - rose/pink.
4 **Acropora austera.** Staghorn - yellow.
5 **Acropora nobilis.** Staghorn - rose/yellow.
6 **Acropora nobilis.** Staghorn - tan/aqua.
7 **Acropora nobilis.** Staghorn - tan/blue.
8 **Acropora austera.** Staghorn - pink.
9 **Acropora austera.** Staghorn - lavender.
10 **Acropora florida.** Branch - tan/yellow.
11 **Acropora florida.** Branch - tan/green.
12 **Acropora florida.** Branch - tan/yellow.
13 **Acropora florida.** Branch - tan/green.
14 **Acropora florida.** Branch - rose/pink.
15 **Acropora florida.** Branch - tan/green.
16 **Acropora florida.** Branch - pink/yellow.
17 **Acropora florida.** Branch - tan/yellow.
18 **Acropora florida.** Branch - pink/yellow.
19 **Acropora nasuta.** Finger - pink.
20 **Acropora nasuta.** Finger - aqua.
21 **Acropora nasuta.** Finger - pink.
22 **Acropora humilis.** Finger - purple/yellow.
23 **Acropora humilis.** Finger - tan/aqua.
24 **Acropora humilis.** Finger - orange/blue.
25 **Acropora humilis.** Finger - rose/pink.
26 **Acropora humilis.** Finger - tan/green.
27 **Acropora humilis.** Finger - purple/pink.
28 **Acropora humilis.** Finger - orange/blue.
29 **Acropora humilis.** Finger - pink/yellow.
30 **Acropora humilis.** Finger - tan/aqua.
31 **Acropora humilis.** Finger - rose/pink.
32 **Acropora humilis.** Finger - rose/yellow.
33 **Acropora humilis.** Finger - pink/yellow.
34 **Acropora hyacinthus.** Table - pink.
35 **Acropora hyacinthus.** Table - lavender.
36 **Acropora hyacinthus.** Table - lavender.
37 **Acropora hyacinthus.** Table - yellow.
38 **Acropora hyacinthus.** Table - aqua.
39 **Acropora hyacinthus.** Table - pink.
40 **Acropora hyacinthus.** Table - green.
41 **Acropora palmata.** Atlantic Elk - yellow.
42 **Acropora palmata.** Atlantic Elk - green/yellow.
43 **Pocillopora eydouxi.** Cauliflower - tan/green.
44 **Pocillopora eydouxi.** Cauliflower - rose/yellow.
45 **Pocillopora eydouxi.** Cauliflower - tan/yellow.
46 **Pocillopora eydouxi.** Cauliflower - rose/yellow.
47 **Pocillopora eydouxi.** Cauliflower - tan/aqua.
48 **Pocillopora eydouxi.** Cauliflower - rose/yellow.
49 **Stylophora pistillata.** Pacific Elk - orange/green.
50 **Stylophora pistillata.** Pacific Elk - lavender.
51 **Stylophora pistillata.** Pacific Elk - pink.
52 **Condylactis.** Anemone - pink.
53 **Condylactis.** Anemone - yellow.
54 **Condylactis.** Anemone - aqua.
55 **Conchylepes.** Barnacle - lavender.
56 **Conchylepes.** Barnacle - lavender.
57 **Conchylepes.** Barnacle - lavender.
58 **Heliopora coerula.** Blue ridge - helio blue.
59 **Heliopora coerula.** Blue ridge - helio blue.
60 **Lobophyllia hemprichii.** Brain - dark green.
61 **Lobophyllia hemprichii.** Brain - bright green.
62 **Lobophyllia hemprichii.** Brain - dark green.
63 **Lobophyllia hemprichii.** Brain - bright green.
64 **Millepora exesa.** Fire - green.
65 **Millepora exesa.** Fire - helio blue.
66 **Pocillopora elegans.** Cluster - tan/green.
67 **Pocillopora elegans.** Cluster - rose/yellow.
68 **Cribrochalina sp.** Sponge - blue.
69 **Cribrochalina sp.** Sponge - yellow.
70 **Cribrochalina sp.** Sponge - orange.
71 **Cribrochalina sp.** Sponge - violet.
72 **Cribrochalina sp.** Sponge - red.
73 **Cribrochalina sp.** Sponge - yellow.
74 **Cribrochalina sp.** Sponge - orange.
75 **Cribrochalina sp.** Sponge - purple/violet.
76 **Turbinaria peltata.** Black Cup - octi black.
77 **Turbinaria peltata.** Black Cup - pink.
78 **Turbinaria peltata.** Black Cup - yellow.
79 **Turbinaria peltata.** Black Cup - orange.
80 **Turbinaria peltata.** Black Cup - purple/violet.
81 **Turbinaria peltata.** Black Cup - orange.
82 **Tubastraea micrantha.** Octopus - rose.
83 **Tubastraea micrantha.** Octopus - orange.
84 **Tubipora musica.** Pipe Organ - red.
85 **Tubipora musica.** Pipe Organ - red.
86 **Turbinaria reniformis.** Cup - orange.
87 **Turbinaria reniformis.** Cup - pink.
88 **Turbinaria reniformis.** Cup - yellow.
89 **Mini Pack 1000.** Pack of 4 mini corals.
90 **Mini Pack 2000.** Pack of 4 mini corals.
91 **Mini Pack 3000.** Pack of 4 mini corals.
92 **Mini Pack 4000.** Pack of 4 mini corals.

aquarium products

code	specification	sales unit
	Marine Fish Families Series	
1	5426 Seahorses, Pipefishes	single
2	5429 Surgeonfishes, Rabbitfishes	single
3	5436 Fairy & Rainbow Wrasses	single
4	5438 Marine Fish Families Box Set 1	single
5	5439 Butterflyfishes, Bannerfishes	single
6	5440 Angelfishes	single
7	5441 Basslets, Hamlets	single
8	5442 Marine Fish Families Box Set 2	single
	IKAN Guides	
9	5448 Nudibranchs of the World	single
10	5412 Mediterranean & Atlantic Fish Gde	single
11	5413 Mediterranean & Atlantic Invert Gde	single
12	5415 Red Sea Reef Gde	single
13	5417 Indian Ocean Reef Gde	single
14	5419 Crustacea Gde of the World	single
15	5425 Coral Sea Reef Gde	single
16	5427 Cephalopods A World Gde	single
17	5428 Sharks & Rays Elasmobranch Gde	single
18	5432 Asia Pacific Reef Gde	single
19	5437 Whales & Dolphins Cetacean Gde	single
20	5443 Corals Indopacific Field Gde	single
	Other Titles	
21	5391 Reef Secrets	single
22	5392 Reef Life	single
23	5394 Aquarium Corals	single
24	5416 Reef Fishes Vol 1	single
25	5397 Reef Fishes Vol 2 - Basslets	single
26	5399 Reef Fishes Vol 3 - Angelfishes	single

Aquatic Books

TMC Publishing is the publisher of, and has the world wide distribution rights to the English language version of the Marine Fish Families Series of books. TMC also distributes a range of other fishkeeping and aquatic titles, for both the beginner and the more advanced aquarist.

The Marine Fish Families Series EXCLUSIVE TO TMC!

All the books in this series are comprehensively illustrated with hundreds of spectacular underwater photographs and contain information on behaviour, habitats and aquarium requirements for the various groups or species. They also include an introduction to genera and subgenera and picture index pages for visual quick-find of genera, subgenera and species plus a full index of common and scientific names.

1 **By Rudie H Kuiter.** Hardback, 240 pages
2 **By Rudie H Kuiter and Helmut Debelius.** Hardback, 208 pages
3 **By Rudie H Kuiter.** Hardback, 208 pages
4 **Box Set of three books.** Contains Seahorses, Surgeonfishes & Fairy and Rainbow Wrasses
5 **By Rudie H Kuiter.** Hardback, 208 pages
6 **By Helmut Debelius, Hiroyuki Tanaka & Rudie H Kuiter.** Hardback, 204 pages
7 **By Rudie H Kuiter.** Hardback, 216 pages
8 **Box Set of three books.** Contains Butterflyfishes, Angelfishes & Basslets and Hamlets.
9 **By Helmut Debelius.** Hardback, 360 pages
10 **By Helmut Debelius.** Hardback, 305 pages
11 **By Peter Wirtz and Helmut Debelius.** Hardback, 305 pages
12 **REVISED and UPDATED! By Helmut Debelius.** Hardback, 322 pages
13 **By Helmut Debelius.** Hardback, 321 pages
14 **By Helmut Debelius.** Hardback, 321 pages
15 **By Bob Halstead.** Hardback, 321 pages
16 **By Mark Norman.** Hardback, 320 pages
17 **By Ralf M Hennemann.** Hardback, 305 pages
18 **By Helmut Debelius.** Hardback, 321 pages
19 **By Ralf Kiefner.** Hardback, 305 pages
20 **By Harry Erhardt and Daniel Knop.** Hardback, 305 pages
21 **By Alf Jacob Nilsen & Svein A Fossa.** Hardback, 224 pages
22 **By Denise Nielsen Tackett & Larry Tackett.** Hardback, 224 pages
23 **By Eric H Borneman.** Hardback, 464 pages
24 **By Scott W Michael.** Hardback, 624 pages
25 **By Scott W Michael.** Hardback, 296 pages
26 **By Scott W Michael.** Hardback, 344 pages

code	specification	sales unit	
5396	New Illustrated Guide Fish Diseases	single	27
5400	Marine Aquarium Handbook - 3rd Ed.	single	28
5403	Diseases in Marine Aquarium Fish	single	29
5398	Pocket Expert Guide Marine Inverts	single	30
5423	Pocket Expert Guide Marine Fishes	single	31
5497	Pocket Expert Guide Reef Aq Fishes	single	32
5405	Breeding the Orchid Dottyback	single	33
5406	Shore Fishes of Hawai'i	single	34
5402	Modern Coral Reef Aquarium Vol 1	single	35
5408	Modern Coral Reef Aquarium Vol 2	single	36
5421	Modern Coral Reef Aquarium Vol 3	single	37
5434	Modern Coral Reef Aquarium Vol 4	single	38
5409	Natural Reef Aquariums	single	39
5414	Clownfishes	single	40
5420	Fishwatchers Guide Book 1	single	41
5422	New Marine Aquarium	single	42
5424	Guide to Angel & Butterflyfishes	single	43
5435	Fishes and Corals	single	44
5494	Super Simple Guide to Corals	single	45
5495	World Atlas of Marine Fishes	single	46
5491	Dr Burgess's Atlas Marine Aq Fishes	single	47
5492	Dr Burgess's Mini Atlas Marine Aq Fishes	single	48
5493	Reef Invertebrates An Essential Guide	single	49
5496	Advanced Marine Aq Techniques	single	50
5498	Nano-Reef Handbook	single	51
5431	Corals of the World (3 Book Set)	single	52
5446	The Conscientious Marine Aquarist - Revised and Updated 2nd Edition	single	53
5447	World Atlas of Marine Fauna	single	54
5445	The Marine Fish Health & Feeding Handbook	single	55
5395	The Simple Guide to Mini-Reef Aquariums	single	56
5444	Aquarium Plants	single	57
5490	Simple Guide to Planted Aquariums	single	58

27 **By Dr Gerald Bassleer.** Hardback, 232 pages
28 **By Martin A Moe.** Soft Cover, 352 pages
29 **By Gerald Bassleer.** Hardback, 96 pages
30 **By Ronald L Shimek.** Soft Cover, 448 pages
31 **By Scott W Michael.** Soft Cover, 448 pages
32 **By Scott W Michael.** Soft Cover, 448 pages
33 **By Martin A Moe.** Soft Cover, 288 pages
34 **By John E Randall.** Soft Cover, 216 pages
35 **By Svein A Fossa and Alf Jacob Nilsen.** Hardback, 367 pages
36 **By Svein A Fossa and Alf Jacob Nilsen.** Hardback, 479 pages
37 **By Svein A Fossa and Alf Jacob Nilsen.** Hardback, 448 pages
38 **By Svein A Fossa and Alf Jacob Nilsen.** Hardback, 480 pages
39 **By John Tullock.** Soft Cover, 336 pages
40 **By Joyce D Wilkerson.** Soft Cover, 240 pages
41 **By Robert M Fenner.** Soft Cover, 196 pages
42 **By Michael S Paletta.** Soft Cover, 144 pages
43 **By Gerald R Allen, Roger Steene and Mark Allen.** Hardback, 250 pages
44 **By Dieter Brockmann.** Hardback, 222 pages
45 **By James W Fatherree.** Soft Cover, 136 pages
46 **By Rudie H Kuiter and Helmut Debelius.** Hardback, 720 pages
47 **By Dr. Warren E. Burgess, Dr. Herbert R. Axelrod, Raymond E. Hunziker.** Hardback, 784 pages
48 **By Dr. Warren E. Burgess, Dr. Herbert R. Axelrod, Raymond E. Hunziker.** Hardback, 1023 pages
49 **By Anthony Calfo & Robert Fenner.** Soft Cover, 398 pages
50 **By Jay F Hemdal.** Hardback, 432 pages
51 **By Chris R Brightwell.** Hardback, 256 pages
52 **By J E N Veron.** Hardback, 1382 (across 3 volumes) pages
53 **By Robert M Fenner.** Hardback, 456 pages
54 **By Rudie H Kuiter and Helmut Debelius.** Hardback, 725 pages
55 **By Bob Goemans and Lance Ichinotsubo.** Hardback, 232 pages
56 **By Jeffrey Kurtz.** Softcover, 208 pages
57 **By Dr Jurgen Schmidt.** Hardback, 80 pages
58 **By Terry Anne Barber & Rhonda Wilson.** Softcover, 207 pages

	code	specification	sales unit
1	214106	50 x 45 x 16cm	single
2	214107	58 x 37 x 18cm	single
3	214108	40 x 34 x 10cm	single
4	214109	34 x 23 x 9cm	single
5	214110	36 x 26 x 9cm	single
6	214111	31 x 18 x 16cm	single
7	214112	32 x 24 x 12cm	single
8	214113	28 x 21 x 12cm	single
9	214114	29 x 21 x 12cm	single
10	214115	26 x 18 x 14cm	single
11	214116	21 x 21 x 8cm	single
12	214117	25 x 19 x 13cm	single
13	214118	23 x 16 x 11cm	single
14	214119	24 x 18 x 10cm	single
15	214120	62 x 37 x 62cm	single
16	214121	46 x 42 x 34cm	single
17	214122	34 x 44 x 45cm	single
18	214123	55 x 32 x 17cm	single
19	214124	45 x 36 x 24cm	single
20	214125	36 x 33 x 21cm	single
21	214126	39 x 23 x 18cm	single
22	214127	37 x 24 x 17cm	single
23	214128	31 x 23 x 14cm	single
24	214129	29 x 18 x 11cm	single
25	214130	20 x 10 x 10cm	single
26	214131	18 x 12 x 12cm	single
27	214132	17 x 14 x 19cm	single
28	214133	19 x 13 x 10cm	single
29	214134	20 x 15 x 10cm	single
30	214135	20 x 18 x 17cm	single
31	214101	52 x 44 x 19cm	single
32	214102	56 x 33 x 20cm	single
33	214103	49 x 49 x 7cm	single
34	214104	44 x 29 x 12cm	single
35	214105	32 x 23 x 13cm	single
36	RLRMIXA	Mixed Box	single
37	RLRMIXB	Mixed Box	single

Natureform Replica Live Rock

- Hand made and hand painted.
- Very realistic.
- Use to create a unique and "true to nature" reef scene.
- Colour fast and non toxic.
- Economically priced.
- Mixed boxes available.

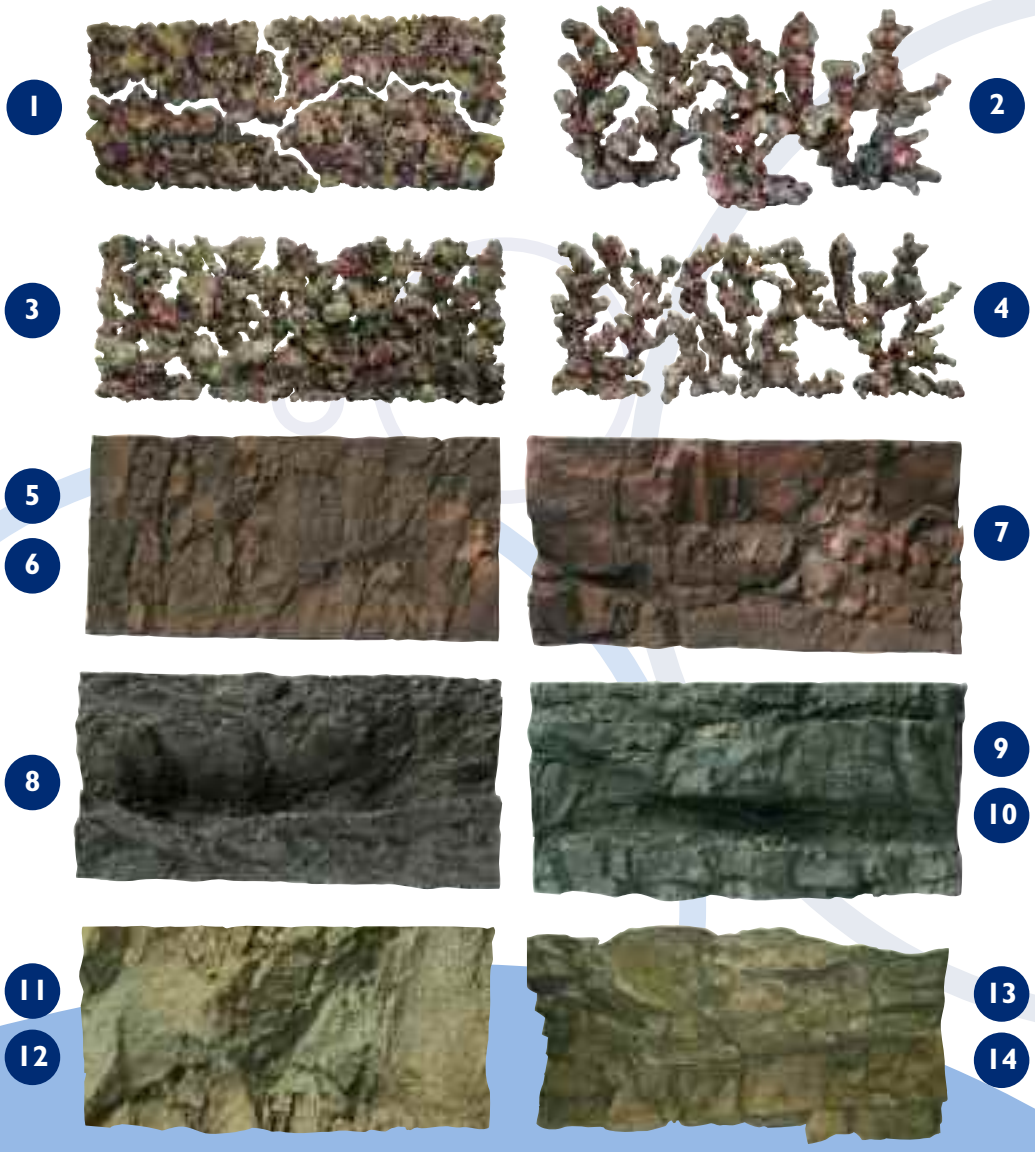
36 Mixed Box A

Contains: 214108, 214111, 214112, 214115, 214116, 214117, 214119, 214128, 214129, 214130, 214131, 214132

37 Mixed Box B

Contains: 214109, 214110, 214113, 214114, 214116, 214118, 214119, 214128, 214129, 214130, 214131, 214132

code	specification	sales unit	
RLRBG	120 x 50cm	single	1
RLRBGM	90 x 45cm	single	2
RLRBGI	120 x 50cm	single	3
RLRBGT	120 x 50cm	single	4
211014	98 x 58cm	single	5
211016	118 x 58cm	single	6
211116	118 x 58cm	single	7
211154	98 x 58cm	single	8
211344	98 x 58cm	single	9
211345	118 x 48cm	single	10
211444	98 x 58cm	single	11
211446	118 x 58cm	single	12
211544	98 x 58cm	single	13
211546	118 x 58cm	single	14



Natureform Aquarium Backgrounds

1 **Marine Reef Background**
Supplied in sections, which means that corals or pieces of rock can be placed between these sections to create a realistic reef scene.

2 **Mini Marine Reef Background**

3 **Indonesian Reef Background**

4 **Tonga Reef Background**

5 **Borneo Red Background**

6 **Borneo Red Background**

7 **Kisa Red Background**

8 **Kisa Grey Background**

9 **Timor Green Background**

10 **Timor Green Background**

11 **Papua Green Background**

12 **Papua Green Background**

13 **Sumatra Green Background**

14 **Sumatra Green Background**

	code	specification	sales unit
		Blister Packs (95g net, 100g gross)	
1	8150	Mini Bloodworm (17 per outer)	single
2	8151	Daphnia (17 per outer)	single
3	8152	Brineshrimp (17 per outer)	single
4	8153	Bloodworm (17 per outer)	single
5	8154	Tubifex (17 per outer)	single
6	8155	White Mosquito Larvae (9 per outer)	single
7	8156	Mysis Shrimp (17 per outer)	single
8	8157	Red Plankton (9 per outer)	single
9	8179	Tropical Quintet (17 per outer)	single
10	8178	Marine Quintet (17 per outer)	single
11	8160	Discus Diet (9 per outer)	single
12	8161	Cichlid Diet (9 per outer)	single
13	8162	Vegetarian Diet (17 per outer)	single
14	8163	Krill Pacifica (17 per outer)	single
15	8165	Brineshrimp + Spirulina (17 per outer)	single
16	8166	Brineshrimp + Omega-3 (17 per outer)	single
17	8168	Brineshrimp + Garlic (17 per outer)	single
18	8169	Finely Chopped Prawn (17 per outer)	single
19	8170	Rotifers (17 per outer)	single
20	8171	Cyclops (17 per outer)	single
21	8172	Finely Chopped Mussel (17 per outer)	single
22	8173	Amphibian Diet (9 per outer)	single
23	8174	Nano Marine Cuisine (17 per outer)	single
24	8175	Brineshrimp Quintet (17 per outer)	single
25	8176	Brineshrimp plus Aloe Vera (17 per outer)	single
26	8177	Marine Cuisine (17 per outer)	single

GAMMA IRRADIATED
GUARANTEED
PATHOGEN FREE

gamma blister

Frozen Food

- The only food used by Tropical Marine Centre at its four fish-holding facilities.
- Highest quality ingredients, rapidly packed, sealed & frozen.
- Gamma irradiated. This completely eliminates any risk of introducing harmful parasites or bacteria into your aquarium, and also means that the food is completely safe to store in your freezer.
- 100% natural products and the wide variety available ensures that individual species of fish receive a balanced, varied and interesting diet.
- Blister packs are designed to dispense one measured cube of food at a time, leaving the rest of the product sealed within their separate blisters. A quick and convenient way of feeding fish.
- Colour-coded feeding suitability guide makes it easy to find the right food for your fish!

1 **Mini Bloodworm.** For marine, tropical, coldwater, cichlid & discus.
2 **Daphnia.** For tropical, coldwater & cichlid.
3 **Brineshrimp.** For marine, tropical, coldwater, cichlid & discus.
4 **Bloodworm.** For marine, tropical, coldwater, cichlid & discus.
5 **Tubifex.** For tropical, coldwater, cichlid & discus.
6 **White Mosquito Larvae.** For tropical, coldwater, cichlid & discus.
7 **Mysis Shrimp.** For marine, tropical, & coldwater.
8 **Red Plankton.** For marine, tropical, coldwater & cichlid.
9 **Tropical Quintet.** For tropical, cichlid & discus.
10 **Marine Quintet.** For marine.
11 **Discus Diet.** For tropical & discus.
12 **Cichlid Diet.** For tropical, & cichlid.
13 **Vegetarian Diet.** For marine, tropical & cichlid.
14 **Krill Pacifica.** For marine, tropical & coldwater.
15 **Brineshrimp + Spirulina.** For marine, tropical, coldwater, cichlid & discus.
16 **Brineshrimp + Omega-3.** For marine, tropical, coldwater & cichlid.
17 **Brineshrimp + Garlic.** For marine, tropical, coldwater & cichlid.
18 **Finely Chopped Prawn.** For marine & cichlid.
19 **Rotifers.** For marine.
20 **Cyclops.** For tropical, coldwater, cichlid & discus.
21 **Finely Chopped Mussel.** For marine.
22 **Amphibian Diet.** For tropical & coldwater.
23 **Nano Marine Cuisine.** For marine.
24 **Brineshrimp Quintet.** For marine, tropical, coldwater & cichlid.
25 **Brineshrimp plus Aloe Vera.** For marine, tropical, coldwater & cichlid.
26 **Marine Cuisine.** For marine.

code	specification	sales unit	
Slice Packs (250g net)			
8450	Mini Bloodworm (40 per outer)	single	1
8451	Daphnia (40 per outer)	single	2
8452	Brineshrimp (40 per outer)	single	3
8456	Mysis Shrimp (40 per outer)	single	4
8463	Krill Pacifica (40 per outer)	single	5
8465	Brineshrimp + Spirulina (40 per outer)	single	6
8466	Brineshrimp + Omega-3 (40 per outer)	single	7
8468	Brineshrimp + Garlic (40 per outer)	single	8
8469	Finely Chopped Prawn (40 per outer)	single	9
8470	Rotifers (40 per outer)	single	10
8471	Cyclops (40 per outer)	single	11
8474	Whole Fish (18 per outer)	single	12
8475	Whole Mussel (20 per outer)	single	13
8476	Whole Cockle (20 per outer)	single	14
8477	Krill Superba (40 per outer)	single	15
8478	Brineshrimp + AloeVera (40 per outer)	single	16
8479	Cockle in Shell (25 per outer)	single	17
8480	Marine Cuisine (40 per outer)	single	18

GAMMA IRRADIATED GUARANTEED PATHOGEN FREE

gamma slice

Frozen Food

- New 250g bulk pack.
- The only food used by Tropical Marine Centre at its three UK fish-holding facilities.
- Highest quality ingredients.
- Rapidly packed, sealed & frozen.
- Gamma irradiated. This completely eliminates any risk of introducing harmful parasites or bacteria into your aquarium, and also means that the food is completely safe to store in your freezer.
- 100% natural products and the wide variety available ensures that individual species of fish receive a balanced, varied and interesting diet.
- Colour-coded feeding suitability guide makes it easy to find the right food for your fish!

1 **Mini Bloodworm**. For marine, tropical, coldwater, cichlid & discus.
2 **Daphnia.** For tropical, coldwater & cichlid.
3 **Brineshrimp.** For marine, tropical, coldwater, cichlid & discus.
4 **Mysis Shrimp.** For marine, tropical & coldwater.
5 **Krill Pacifica.** For marine, tropical & coldwater.
6 **Brineshrimp + Spirulina.** For marine, tropical, coldwater, cichlid & discus.
7 **Brineshrimp + Omega-3.** For marine, tropical, coldwater & cichlid.
8 **Brineshrimp + Garlic.** For marine, tropical, coldwater & cichlid.
9 **Finely Chopped Prawn.** For marine & cichlid.
10 **Rotifers.** For marine.
11 **Cyclops.** For tropical, coldwater, cichlid & discus.
12 **Whole Fish.** For marine.
13 **Whole Mussel.** For marine.
14 **Whole Cockle.** For marine & cichlid.
15 **Krill Superba.** For marine, tropical & coldwater.
16 **Brineshrimp + Aloe Vera.** For marine, tropical, coldwater & cichlid.
17 **Cockle in Shell.** For marine & cichlid.
18. **Marine Cuisine.** For marine.

	code	specification	sales unit
1	8230	Marine Diet 30g	single
2	8231	Tropical Diet 30g	single
3	8232	Cichlid Diet 30g	single
4	8233	Discus Diet 30g	single
5	8234	Goldfish Diet 30g	single

Gamma Frozen Food + Dry Food = gamma improvit

TMC Aquarium

gamma improvit Frozen Food

- A revolutionary frozen diet for aquarium fish, combining the convenience of a dry, formulated food with all the benefits of the natural ingredients fish prefer in a frozen food.
- The patented process involves the impregnation of a high quality dry food with the same wide variety of natural products used in Gamma Frozen Foods.
- Fast-freezing ensures no subsequent loss of nutrients, vitamins or minerals.
- Gamma irradiated. Guarantees the product is 100% bacteria-free and safe to store in a domestic freezer.
- Supplied in a handy and hygienic 30g "easy-click" dispenser which ensures fish get just the right amount of food ... no mess, no fuss.
- Unique natural movement in water. Gamma Improvit sinks slowly and reacts naturally to currents and water movement ensuring it keeps your fish interested until every last pellet is eaten.
- High palatability. Higher moisture content means the small pellet is softer when thawed compared to other dry diets and the fresh ingredients will attract your most fastidious fish.

1 **Marine Diet**
Containing brineshrimp, krill, seaweed and astaxanthin.

2 **Tropical Diet**
Containing white mosquito larvae, daphnia, bloodworm and spinach.

3 **Cichlid Diet**
Containing bloodworm, white mosquito larvae, spirulina and watercress.

4 **Discus Diet**
Containing beef & turkey heart, bloodworm, white mosquito larvae and spinach.

5 **Goldfish Diet**
Containing bloodworm, daphnia, carrots and watercress.

code	specification	sales unit	
8311	Nutraplus Reef Feed 100ml	single	1
8312	Nutraplus Reef Feed 200ml	single	2
8313	Nutraplus Reef Feed 500ml	single	3
8314	Nutraplus Complete Feed 100ml	single	4
8315	Nutraplus Complete Feed 200ml	single	5
8316	Nutraplus Complete Feed 500ml	single	6

TMC Aquarium

IMPROVED 24 months SHELF LIFE

Supplied with a **feeding pipette** and a **pipette holder**

gamma NutraPlus Liquid Feeds

- Now with a 24 month shelf life.
- A unique microalgae concentrate mix containing high natural levels of carotenes, minerals, vitamins and fatty acids.
- Formulated specifically for feeding livestock including herbivorous and carnivorous filter feeders in reef and mixed community marine aquarium systems.
- Clean and easy to feed using dosing pipette supplied.
- Can be stored unopened at room temperature for up to 9 months. Once opened, it is recommended that the product is stored in a fridge and used within 3 months.
- 100% natural ingredients.

1-3 Gamma Nutraplus Reef Feed
Specifically formulated for **invertebrates.**
Containing Dunaliella salina, Nannochloropsis oculata, Rotifers and Copepods.

4-6 Gamma Nutraplus Complete Feed
Specifically formulated for **fish and invertebrates.**
Containing Dunaliella salina, Nannochloropsis oculata, Artemia, Rotifers and Copepods.

	code	specification	sales unit
1	8317	Dried Natural Green Seaweed (12g net, 17g gross)	single
2	8318	Dried Natural Red Seaweed (12g net, 17g gross)	single
3	8319	Dried Natural Green Seaweed (150g bulk pack)	single
4	8320	Dried Natural Red Seaweed (150g bulk pack)	single

Supplied in handy strips, for easy dispensing and feeding

gamma dry Enriched Dried Natural Seaweed

- Feed daily as part of a balanced diet and as a supplement to other food sources such as Gamma Frozen Foods.
- Seaweed strips may be fed dry or pre-soaked in aquarium water or for further enrichment pre-soaked in liquid feed supplements such as Gamma Nutraplus.
- **Suitable for:** All saltwater damsels, clownfish, angels, tangs and wrasses and also freshwater algae eaters, African cichlids, silver dollars and sharks.

1 & 3 **Dried Natural Green Seaweed (Porphyra sp.)**
Enriched with spirulina and omega 3 to naturally enhance colour and vitality.

2 & 4 **Dried Natural Red Seaweed (Porphyra sp.)**
Enriched with garlic and omega 3 to naturally enhance health and vitality.

code	specification	sales unit	
5595	Hydrometer	single	1
5596	High Precision Hydrometer	single	2
5598	High Precision Thermometer	single	3
5170	HR Carbon (720ml box)	single	4
5171	HR Carbon (20kg sack)	single	5
7054	TMC Bio-Rings 1"	litre	6
5164	Bio-Glass (1 litre bag)	single	7a
5165	Bio-Glass (3 litre bag)	single	7b
5151	Sand (6x4kg boxes)	single	8
5152	Sand (25kg sack)	single	9
5153	Coral Gravel Fine (6x4kg boxes)	single	10
5154	Coral Gravel Fine (25kg sack)	single	11
5157	Coral Gravel Med (6x4kg boxes)	single	12
5158	Coral Gravel Med (25kg sack)	single	13
5155	Coral Gravel Coarse (6x4kg boxes)	single	14
5156	Coral Gravel Coarse (25kg sack)	single	15

Tropical Marine
UV lamps available
See p. 75 for details

Miscellaneous Aquarium Products

1 TMC Hydrometer
Improved manufacturing techniques have produced a precision hydrometer which offers real value for money. Accurate to 0.002, and with comprehensive instructions including a salinity reference chart.

2 Tropic Marin High Precision Hydrometer
Accurate to 0.0005◦.

3 Tropic Marin High Precision Thermometer
Accurate to 0.2◦F.

4 & 5 HR Carbon
HR Carbon is a highly retentive carbon which is the result of several years' development and testing in freshwater and marine aquariums. It is made from carefully selected grades of bituminous coal, ensuring that a consistent quality is maintained.

- Recommended for the removal of organics and other toxic substances which gradually build up in marine and freshwater aquariums.
- Removes phenols and other organic compounds.
- Unlike many cheaper carbons, it does not add phosphates.
- Creates crystal clear water allowing better light penetration for maximum plant and coral growth.

6 TMC Bio-Rings

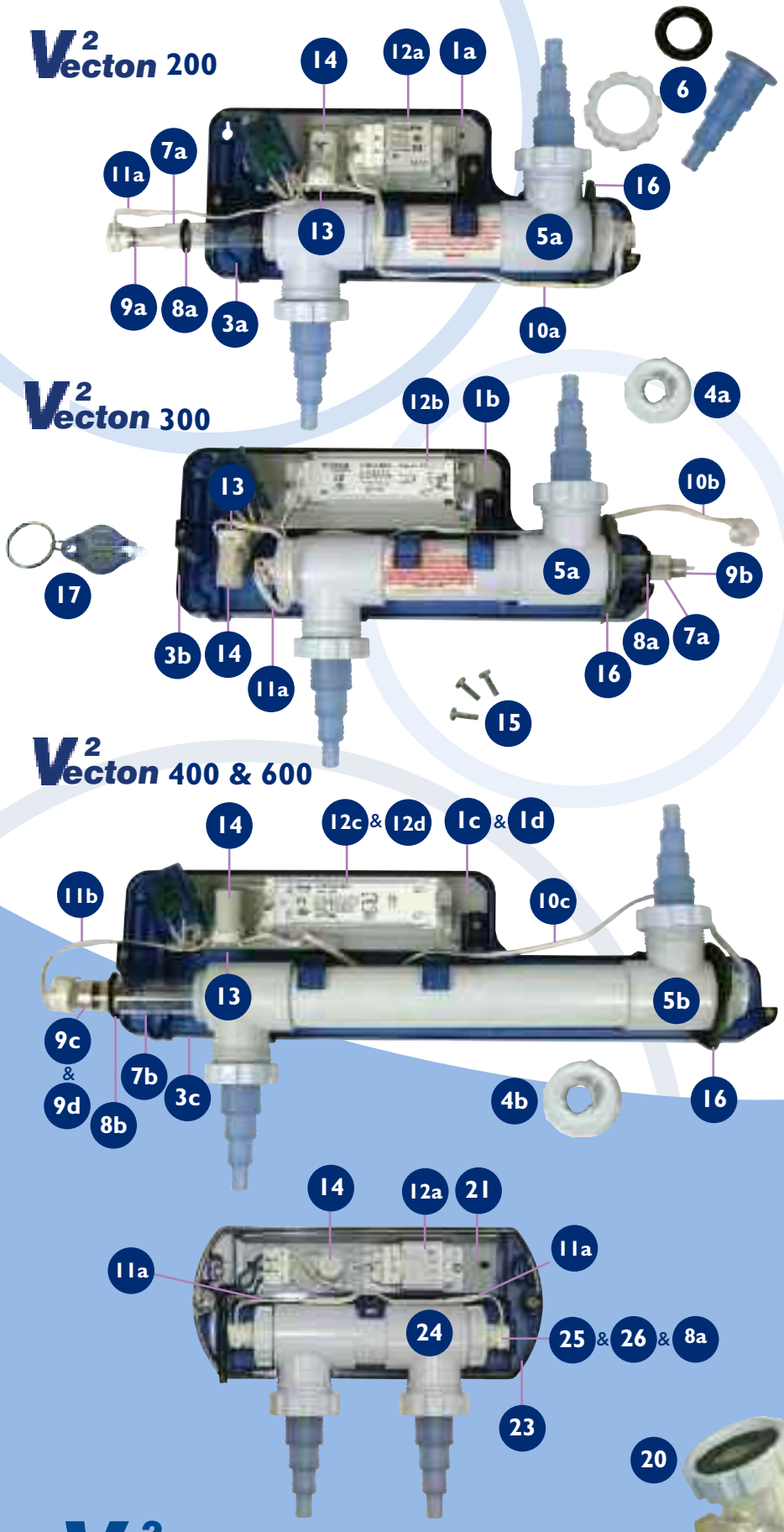
- These Bio-Rings have excellent flow-through characteristics, making them ideal for trickle filter applications.
- Designed to give a large, accessible surface area which is easily contacted by the water and gas, whilst avoiding clogging.
- Made from blue polypropylene.
- Positively buoyant.

7 Bio-Glass

- Suitable for both aerobic nitrifying bacteria and anaerobic denitrifying bacteria.
- Provides a very large surface area compared to other, ordinary bio-rings.
- Made from natural silicate - no toxins and harmless to livestock.
- Suitable for freshwater and saltwater applications.

8-15 TMC Oolitic Sand and Gravel
Available in five different particle sizes, including our specially graded uniform particle size sand for fluidised sand bed filters.

- Ideal as both a mechanical and a high surface area biological filter media.
- Surface area >10 000m²/m³.
- Natural aragonite.



	code	specification	sales unit
1a	5210CG-UK	V²ecton 200 control gear	single
1b	5211CG-UK	V²ecton 300 control gear	single
1c	5212CG-UK	V²ecton 400 control gear	single
1d	5213CG-UK	V²ecton 600 control gear	single
2a	V28W/05L	V²ecton 200 lid (not shown)	single
2b	V216W/05L	V²ecton 300 lid (not shown)	single
2c	V225W/05L	V²ecton 400/600 lid (not shown)	single
3a	V28W/05B	V²ecton 200 base	single
3b	V216W/05B	V²ecton 300 base	single
3c	V225W/05B	V²ecton 400/600 base	single
4a	8WPC/LNCT94	Small locknut	single
4b	15WPC/LNCT94	Large locknut	single
5a	SHVEC2/300B	V²ecton 200/300 plastic body	single
5b	SHVEC4/600B	V²ecton 400/600 plastic body	single
6	5249-F	V²ecton universal hosetail assembly	single
7a	5275	Replacement quartz sleeve 8/16w	single
7b	5276	Replacement quartz sleeve 15/25w	single
8a	5280	O ring for quartz sleeve 6/8/16w	single
8b	5281	O ring for quartz sleeve 15/25/30/55w	single
9a	6052	TM UV lamp 8w	single
9b	6057	TM UV lamp 16w	single
9c	6053	TM UV lamp 15w	single
9d	6054	TM UV lamp 25w	single
10a	V2UV8/16LLL	V²ecton 200 lamp lead long	single
10b	V2UV16LLL	V²ecton 300 lamp lead long	single
10c	V2UV25LLL	V²ecton 400/600 lamp lead long	single
11a	V2UV8/16LLS	V²ecton 120/200/300 lamp lead short	single
11b	V2UV25LLS	V²ecton 400/600 lamp lead short	single
12a	D468-22.2-3	6w & 8w UK ballast	single
12b	L18TL2230V	16w UK ballast	single
12c	D15-22.2-4	15w UK ballast	single
12d	L30TL2230	25w UK ballast	single
13	V2/SB11AL-08	V²ecton sidemount starter holder	single
14	S10	S10 lamp starter	single
15	MAPPM0350082	V²ecton lid securing screw	single
16	V2WSG/BR05	V²ecton moisture displacement gasket	single
17	5214	V²ecton LITE SET torch	single
18a	VEC2/300BOX	V²ecton 200 box (not shown)	single
18b	VEC2/300BOX	V²ecton 300 box (not shown)	single
18c	VEC4/600BOX	V²ecton 400 box (not shown)	single
18d	VEC4/600BOX	V²ecton 600 box (not shown)	single
19	V2/200-400IN	V²ecton instructions (not shown)	single
20	5249-L	Clear 90° elbow	single
	V²ecton 120 Nano		
21	5209CG-UK	V²ecton 120 control gear	single
22	V2/120COVER	V²ecton 120 lid (not shown)	single
23	V2/120BASE	V²ecton 120 base	single
24	SHVECNANO	V²ecton 120 plastic body	single
25	5274	V²ecton 120 quartz sleeve	single
26	6051	TM UV lamp 6w	single
27	V2/120BOX	V²ecton 120 box (not shown)	single
28	V2120INS	V²ecton 120 instructions (not shown)	single

Available in UK, EU and US versions

V²ecton Spares & Accessories

code	specification	sales unit	
5227	V²Bubble Stop small	single	1
5228	V²Bubble Stop large	single	2
5718	V²Bubble Stop - new style	single	3
5229	V²Filter Media Bag	single	4
5371	V²Venturi Silencer	single	5
5365	V²Skim inlet pipe hose assembly	single	6
5366	V²Skim outlet pipe assembly	single	7
5369	V²Skim securing screw	single	8
5368	V²Bubble Stop securing screw	single	9
5360	V²Bubble Stop black sponge filter (small)	single	10
5362	V²Bubble Stop black sponge filter (large)	single	11
5361	V²Bubble Stop white sponge filter (small)	single	12
5363	V²Bubble Stop white sponge filter (large)	single	13
5370	Venturi air inlet connection tube	single	15
5372	V²Skim 400 collection cup	single	15a
5373	V²Skim 600 collection cup	single	15b
5374	V²Skim 800/1000 collection cup	single	15c
5375	V²Skim 1200/1500 collection cup	single	15d
5364	Collection cup O ring	single	16
5367	Collection cup drain hose	metre	17
RK-750	Pump 90° push fit elbow assembly	single	18
	ITEMS BELOW ARE NOT SHOWN		
V2SKIMINS	V²Skim instructions	single	19
5681	V²Skim Compact 200 collection cup lid	single	20
5682	V²Skim Compact 200 collection cup PLUS lid	single	21
5683	V²Skim Compact 200 skimmer body	single	22
5524	V²Skim Compact 200/300 pump	single	23
5525	V²Skim Compact 200 pump impeller	single	24
5655	V²Skim Compact 200 pump impeller housing cover	single	25
5686	V²Skim Compact 200 air intake tube	single	26
5526	V²Skim Compact 200 securing suction cup	single	27
5684	V²Skim Compact 200 mounting bracket A	single	28
5685	V²Skim Compact 200 mounting bracket B	single	29
5691	V²Skim Compact 300 collection cup lid	single	30
5692	V²Skim Compact 300 collection cup PLUS lid	single	31
5693	V²Skim Compact 300 collect. cup O ring	single	32
5694	V²Skim Compact 300/500 air intake adj. dial inc O ring	single	33
5695	V²Skim Compact 300/500 securing screw	single	34
5696	V²Skim Compact 300 water intake strainer	single	35
5697	V²Skim Compact 300 water outlet bubble stop foam	single	36
5698	V²Skim Compact 300 skimmer body	single	37
5509	V²Skim Compact 300 pump O ring	single	38
5699	V²Skim Compact 300 pump impeller	single	39
5673	V²Skim Compact 300/500 hanging adjustment cam	single	40
5716	V²Skim Compact 300/500 ozone connector	single	41
5701	V²Skim Compact 500 collection cup lid	single	42
5702	V²Skim Compact 500 collection cup PLUS lid	single	43
5703	V²Skim Compact 500 push-fit access cover	single	44
5705	V²Skim Compact 500 water outlet bubble stop foam	single	45
5707	V²Skim Compact 500 water intake pipe assembly	single	46
5704	V²Skim Compact 500 water intake strainer	single	47
5706	V²Skim Compact 500 skimmer body	single	48
5717	V²Skim Compact 500 air intake silencer inc. tubing	single	49
5710	V²Skim Compact 500 pump impeller housing O ring	single	50
5709	V²Skim Compact 500 pump impeller	single	51
5708	V²Skim Compact 500 pump	single	52
5712	V²Skim Compact 500 skimmer reaction chamber	single	53
5713	V²Skim Compact 500 skimmer reaction chamber foam	single	54

Available in UK, EU and US versions where applicable

V²Skim Spares & Accessories

V²Bubble Stop

- Extremely versatile and has many different uses.
- Can be used with a V²Skim Protein Skimmer to filter out any remaining micro bubbles and prevent them from flowing into the aquarium or sump.
- Can also be used to provide additional post-skimming filtration.
- Removable sponges mean the V²Bubble Stop can be incorporated with other filtration components and used to house other forms of filtration media, such as carbon, using a V²Filter Media Bag.

1 V²Bubble Stop (small)
Maximum flow rate 2400 litres/hr.
Dimensions (w x h x d): 10.2 x 10.2 x 7.7cm

2 V²Bubble Stop (large)
Maximum flow rate 3400 litres/hr.
Dimensions (w x h x d): 11.5 x 11.5 x 10cm

V²Bubble Stop - New Style

- New slimline design allows it to be hidden discreetly in the tank.

3 V²Bubble Stop - new style

V²Filter Media Bag

- Durable, fine mesh filter bag with drawstring closing top.
- Perfect for housing media such as HR Carbon (see p.38).

4 V²Filter Media Bag
Dimensions (w x h): 14.5 x 20cm

V²Venturi Silencer

- Used to reduce any noise that may occur as air is drawn into the V²Skim by the venturi injection system.

5 V²Venturi Silencer
For use with V²Skim models 400 and 600.

10 V²Bubble Stop black sponge filter
For use with V²Skim models 400 and 600.

11 V²Bubble Stop black sponge filter
For use with V²Skim models 800, 1000, 1200 and 1500.

12 V²Bubble Stop white sponge filter
For use with V²Skim models 400 and 600.

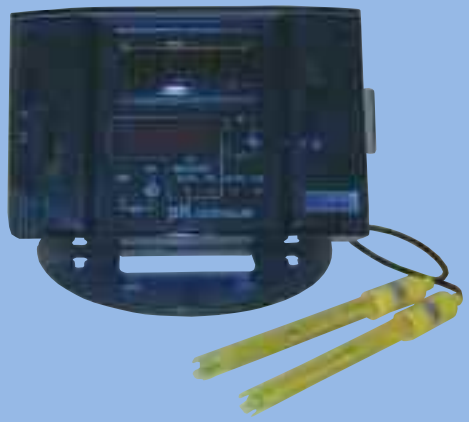
13 V²Bubble Stop white sponge filter
For use with V²Skim models 800, 1000, 1200 and 1500.

	code	specification	sales unit
1	5510	V²React pump	single
2	5508	V²React pump impeller	single
3	5509	V²React pump O ring	single
4	5505	V²React water supply intake strainer	single
5	5507	V²React water outlet flow control valve	single
6	5517	V²React CO_2 inlet tubing non return valve	single
7	5500	V²React pH probe holder assembly	single
8	5506	V²React securing suction cup	single
9	5518	V²React 5ml syringe	single
10	5503	V²React water flow indicator chamber	single
11	5511	V²React media support foam (small)	single
12	5512	V²React media support foam (med)	single
13	5513	V²React media support foam (large)	single
14	5502	V²React lid O ring	single
15	5504	V²React replacement tubing	metre
16a	5386	V²Pressure Regulator (DIN477 connection)	single
16b	5387	V²Pressure Regulator (CGA320 connection)	single
17a	5385	V²Pressure Regulator Pro (DIN477 connection)	single
17b	5388	V²Pressure Regulator Pro (CGA320 connection)	single
18a	5155	Coral gravel coarse (6x4kg boxes)	single
18b	5156	Coral gravel coarse (25kg sack)	single
19	V2REACTINS	V²React instructions (not shown)	single
20a	N/A	V²React 600 box (not shown)	single
20b	N/A	V²React 1000 box (not shown)	single
20c	N/A	V²React 1500 box (not shown)	single

V²React Spares & Accessories

code	specification	sales unit	
	V²Skim 120 Nano Skimmer		
5521	V²Skim 120 Nano collection cup	single	1
5522	V²Skim 120 Nano mounting bracket A	single	2
5523	V²Skim 120 Nano mounting bracket B	single	3
5524	V²Skim 120 Nano pump	single	4
5525	V²Skim 120 Nano pump impeller	single	5
5526	V²Skim 120 Nano sucker	single	6
5369	V²Skim securing screw	single	7
	V²Control Monitors/Controllers		
5539	V²Control pH probe	single	8
5541	pH 4 calibration fluid	single	9
5542	pH 7 calibration fluid	single	10
5543	pH 10 calibration fluid	single	11
5544	V²Control calibrating tool	single	12
5545	V²Control probe mounting bracket	single	13
5546	V²Control probe mounting sucker	single	14
5547	V²Control stand	single	15
5548	V²Control screen cover	single	16
5549	V²Control power cable and socket	single	17
	V²Auto Top Up System		
9507	V²Auto Top Up System float switch (without mounting bracket and PSU)	single	18
9508	V²Auto Top Up System mounting bracket WITH hosing securing clamp	single	19
9509	V²Auto Top Up System mounting bracket WITHOUT hosing securing clamp	single	20
9510	V²Auto Top Up System 2 way connector	single	21
9511	V²Auto Top Up System 3 way connector	single	22
9512	V²Auto Top Up System PSU	single	23
9513	V²Auto Top Up System pump	single	24
9514	V²Auto Top Up System pump impeller	single	25
	CO_2 by TMC Cylinders		
5619	CO_2 by TMC cylinder O ring (for 567g cylinder - code 5617)	single	26

V²Skim 120 & Miscellaneous V² Spares & Accessories



AQUA**RAY**®
lighting products

AQUA**RAY**®
SOLID STATE LIGHTING
DESIGNED BY TMC

FOR FURTHER INFORMATION ON OUR COMPANY AND PRODUCTS GO TO **www.tropicalmarinecentre.co.uk**

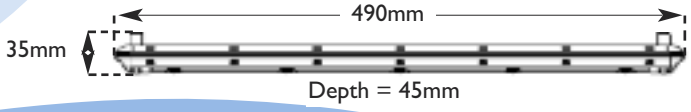
code	specification	sales unit	
1704	AquaBeam 600 Ultra Strip Marine White	single	1
1705	AquaBeam 600 Ultra Strip Reef White	single	2
1706	AquaBeam 600 Ultra Strip Marine Blue	single	3
1707	AquaBeam 600 Ultra Strip Reef Blue	single	4
1711	AquaBeam 600 Ultra Strip Marine White Twin	single	5
1712	AquaBeam 600 Ultra Strip Reef White Twin	single	6
1714	AquaBeam 600 Ultra Strip Reef Blue Twin	single	7
1716	AquaBeam 600 Ultra Strip Marine White/Reef Blue Combo	single	8
1717	AquaBeam 600 Ultra Strip Reef White/Marine Blue Combo	single	9
1886	AquaRay Cleaning Cloth (microfibre/leatherette)	single	10

Available in UK, EU, US and AUS versions

carbon footprint low

GUARANTEE 5yr* GUARANTEE

* 5 year guarantee on lamp unit.
1 year guarantee on power supply.



Supplied with **AquaRay Wet 'n' Dry Microfibre Cleaning Cloth**

Compatible with AQUARAY® Control and AQUARAY® MODULAR MOUNTING SYSTEM

AQUABEAM600 *Ultra*

Solid State Aquarium Lighting Strip

- Completely re-engineered housing, sealed with a single silicon rubber gasket
- New-style screws ensure the unit is factory serviceable
- Stainless steel threaded inserts make direct mounting inside a hood much easier
- Wide angle beam
- New mounting brackets fit into the heat sink for more secure mounting.
- Suitable for all marine aquaria.
- Four colour versions.
- Low running costs.
- Lower power consumption.
- No bulb replacements.
- Long life > 50,000 hours.
- High energy efficiency.
- Uses the latest generation of Cree® XR-E PowerLEDs* specially selected for AquaRay products.
- Wide range of mounting options using the MMS Modular Mounting System.

Dimensions: 490mm (w) x 45mm (d) x 35mm (h)

**Cree and the Cree LEDs logo are registered trademarks of Cree, Inc.*

Application	Tank Depth			
	12"/30cm	16"/40cm	18"/45cm	24"/60cm
Marine Fish	Marine White ○○○○○	14K Kelvin PowerLED	Reef White ○●○●○	14K & 50K+ Kelvin PowerLED
Marine Reef	Marine Blue ○○○○○	14K & 50K+ Kelvin PowerLED	Reef Blue ○●○●○	50K+ Kelvin PowerLED

	code	specification	sales unit
1	1902	AquaBeam 1000 HD Ultra Marine White	single
2	1903	AquaBeam 1000 HD Ultra Reef White	single
3	1902P	AquaBeam 1000 HD Ultra Marine White **+PowerControl**	single
4	1903P	AquaBeam 1000 HD Ultra Reef White **+PowerControl**	single

GUARANTEE 5yr* GUARANTEE

* *5 year guarantee on lamp unit.*
1 year guarantee on power supply.

Available in UK, EU, US and AUS versions

Practical Fishkeeping READERS' POLL AquaBeam 1000 HD Tile WINNER '10

Ultra high density lighting unit which uses custom optics and the latest and brightest generation of Cree® XR-E PowerLEDs* available, specially selected for AquaRay products

Compatible with AQUARAY Control and AQUARAY MODULAR MOUNTING SYSTEM

carbon footprint low

AQUABEAM1000 HD *Ultra*

Solid State Aquarium Lighting Tile

- Solid State Lighting - 10 x Cree® X-RE Q+ PowerLEDS* driven at 700mA with custom collimating optics featuring "Total Internal Reflection" for efficient and uniform light distribution.
- Delivers high LUX and PAR values which means it is suitable for all marine set ups including reef tanks incorporating LPS and SPS hard corals.
- Creates a natural "shimmer" effect.
- Suitable as an alternative to metal halides.
- Very compact - just 20 x 20cm - and suitable for all aquarium types including nano and other smaller tanks.
- Cool running with low heat transfer to aquarium water reducing the need for expensive cooling systems.
- Suitable for installation in aquarium hoods.
- Offers a minimum of 50,000 hours lamp life - 6x standard fluorescent lighting.
- Versatile mounting fixtures included, allowing a wide variety of replacement, retrofit and new install options on all sizes of aquaria.
- Low running costs and environmentally friendly - long-life, very low carbon footprint and NO MERCURY.
- Future-proofed with built-in capability and compatibility for digital control including timing and dimming and available with or without an AquaRay Control unit.
- Sealed, water-resistant casing and a low voltage DC power supply makes AquaRay easy and safe to use in all conditions.
- Designed and manufactured by Tropical Marine Centre in the EU.
- 5 year guarantee.
- MMS Modular Mounting System compatible, offering an extensive range of mounting options for your AquaRay light unit.

Dimensions: 198mm (w) x 198mm (d) x 47.5mm (h)

**Cree and the Cree LEDs logo are registered trademarks of Cree, Inc.*

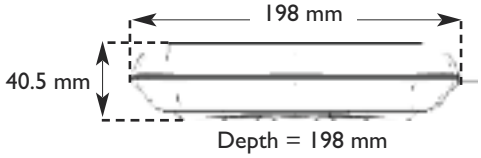
1 **AquaBeam 1000 HD Ultra - Marine White**
10 x 14,000K white LEDS

2 **AquaBeam 1000 HD Ultra - Reef White**
7 x 14,000K white LEDS and 3 x 50,000K blue LEDs

code	specification	sales unit	
	OCEAN WHITE		
1904	AquaBeam 1500 XG Ultima	single	1
1904P	AquaBeam 1500 XG Ultima +PowerControl XG	single	2
	OCEAN BLUE		
1905	AquaBeam 1500 XG Ultima	single	3
1905P	AquaBeam 1500 XG Ultima +PowerControl XG	single	4

Available in UK, EU, US and AUS versions

1



GUARANTEE 5yr* GUARANTEE

* *5 year guarantee on lamp unit. 1 year guarantee on power supply.*

Compatible with AQUARAY Control and AQUARAY MODULAR MOUNTING SYSTEM

3

Application

1. **AS PRIMARY LIGHTING**
   Marine fish-only and soft coral aquaria.

2. **AS SECONDARY LIGHTING**
   Marine full-reef aquaria (for best results, use in combination with AquaBeam 1000HD Marine White or Reef White).

AQUABEAM 1500 XG *Ultima*

Solid State Aquarium Lighting Tile

- High output, wide angle design
- Compatible with all aquarium types including NANO tanks
- Uses the latest and brightest generation of Cree® PowerLEDs* available, specially selected for AquaRay products.
- Wide angle beam maximises light spread.
- Cool running with low heat transfer to aquarium water.
- Low cost of ownership and environmentally friendly.
- Very compact, measuring just 20 x 20cm, making it suitable for use in nano and other smaller tanks.
- Offers a minimum of 50,000 hours lamp life - 6x standard fluorescent lighting.
- Lowest running costs and highest useable output of light per unit of energy consumed, with all light output being visible and directed towards the aquarium.
- Versatile mounting fixtures included, allowing a wide variety of replacement, retrofit and new install options on all sizes of aquaria

1 AquaBeam 1500 XG Ultima Tile - Ocean White

- 9000K Ocean white colour temperature for natural, even light distribution and strong colour rendition
- Uses 10 x white XP-G LEDs

3 AquaBeam 1500 XG Ultima Tile - Ocean Blue

- 5 x white XP-G LEDs (9000K) and 5 x XP-E blue LEDs (50000K) - all unlensed
- As the whites are much brighter than the blues, it is similar in colour temperature to the AquaBeam 1000 Reef White, making it an excellent light for marine and reef aquariums
- Whites and blues are on separate circuits so a controller can be used to make this an all-in-one daylight and moonlight unit

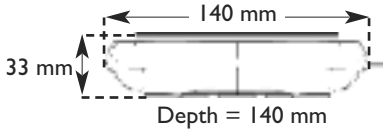
Dimensions: 198mm (w) x 198mm (d) x 40.5mm (h)

**Cree and the Cree LEDs logo are registered trademarks of Cree, Inc.*

	code	specification	sales unit
1	1861	AquaRay MiniLED 500	single
2	1885	AquaRed Flexi-LED	single
3	1888	AquaBlue Flexi-LED	single

All available in UK, EU and US versions.

MiniLED 500 also available in AUS version.



1

GUARANTEE 5yr* GUARANTEE

* 5 year guarantee on lamp unit.
1 year guarantee on power supply.

Moonlight mode

2

GUARANTEE 2yr GUARANTEE

3

See pages 47-49 for details of lights in our aquaHabitats range which use AQUARAY technology

MiniLED 500
Solid State Lighting Tile

- 4 x lensed 10,000K white Cree® XP-E and 1 x un-lensed blue Cree® XP-E PowerLEDs.
- White LEDs are switchable to allow blue-only moonlight.
- High PAR for full reef tanks.
- Ideal on its own for nano tanks under 50 litres.
- Can be used alongside other AquaRay lights on larger set ups.
- Fully compatible with all AquaRay controllers and the AquaRay MMS Modular Mounting System.

Dimensions: 140mm (w) x 140mm (d) x 33mm (h)

**Cree and the Cree LEDs logo are registered trademarks of Cree, Inc.*

1 MiniLED 500 Solid State Lighting Tile

AQUA RED FLEXI-LED

AQUA BLUE FLEXI-LED

- Flexible, self-adhesive LED lighting strips
- Waterproof and low voltage
- High output, single colour
- Can be fitted into an AquaRay MMS rail
- 450mm long
- Suitable for marine and freshwater aquaria
- Supplementary lighting only

2 AquaRed Flexi-LED

Red LEDs make it ideal for night vision, acclimation and colour enhancement.

3 AquaBlue Flexi-LED

Blue LEDs simulate moonlight and are great for colour enhancement. This strip produces actinic light which promotes coral and invertebrate growth and accentuates fluorescence.

code	specification	sales unit	
1899	AquaRay Control	single	1
1897	AquaRay MultiControl	single	2
1898	AquaRay PowerControl	single	3
1896	AquaRay PowerControl XG*	single	4

Only for use with the AquaBeam 1500 XG Ultima (Ocean White and Ocean Blue)

Available in UK, EU, US and AUS versions

AQUARAY® Control

- Two channel dimming control.
- Simple user interface.
- Easily create sunset, sunrise, daylight & moonlight phases.
- Compact design for easy mounting.
- Uses a real time clock for accurate timing.
- Compatible with all AquaRay light units including AquaBeam 500 and 1000 and GroBeam 500 and 1000.
- 2 year guarantee.

AQUARAY® MultiControl

- Dawn to dusk simulation
- 2 channel fade-in, fade-out
- Suitable for up to 8 x AquaBeam 500s or 4 x AquaBeam 1000/1500s or any combination
- Easily create sunset, sunrise, daylight and moonlight phases.
- 2 channels, each timed independently (6 outputs timed separately from the other 2).
- Powers up to 8 AquaBeam lights with a single socket PSU.
- Built in Storm Function to encourage breeding in certain species.
- Internal battery ensures settings are saved in the event of a power failure.
- Helps to control nuisance algae by managing photo periods.
- Long cable for ease of use.
- Compatible with all AquaBeam products.

AQUARAY® PowerControl

- All the benefits of the AquaRay Control unit but with an integrated PSU!
- Wall mountable.
- 2 year guarantee.

Included with selected AquaBeam and GroBeam products.

AQUARAY® PowerControl XG

- Incorporates all the features of the PowerControl but, unlike the standard version, the PowerControl XG is capable of running the AquaBeam 1500 XG up to 1A (1000mA), rather than the normal 700mA, resulting in a 10% increase in light output.
- **ONLY** for use with the AquaBeam 1500 XG (i.e. products with XP-G LEDs).

1 AquaRay Control

2 AquaRay MultiControl

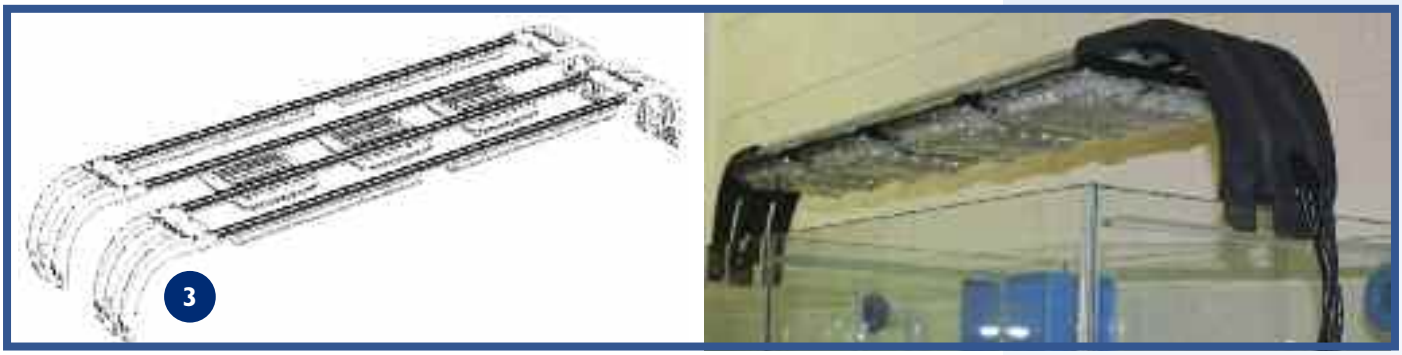
3 AquaRay Power Control

4 AquaRay PowerControl XG

AquaRay Modular Mounting System (MMS)

This consists of a range of components (sold separately) that can be used to mount your AquaRay lighting units in a number of different ways. This MMS System also allows you to use the AquaRay lighting units in combination, to create a lighting rig which is unique to your tank's set up. This means you can tailor your lighting to fit your aquascape.

MOUNTARAY



	code	specification	sales unit
1	1831	Single MountaRay Tank Bracket for MiniLED 400	single
2	1860M	Single MountaRay Tank Bracket INCLUDING MiniLED 400 light	single
3	1832	Pair of MountaRay Tank Brackets for use as overtank luminaire	1 pair
4	1871	AquaRay MMS Rail 490mm	single
4a	1872	AquaRay MMS Rail 790mm	single
4b	1873	AquaRay MMS Rail 1090mm	single
4c	1874	AquaRay MMS Rail 1610mm	single
4d	1875	AquaRay MMS Rail 1910mm	single
4e	1876	AquaRay MMS Rail 2415mm	single
5	1870	AquaRay MMS Adapter **for AquaBeam 600**	x 4
5a	1880	AquaRay MMS 90° Adapter **for AquaBeam 500**	x 4
6	1879	AquaRay MMS End Cap	x 2

AquaRay MOUNTARAY Tank Bracket

The unique design of this tank bracket makes it suitable for suspending either one MiniLED 400 tile or, when used in pairs, for supporting a range of AquaRay light units (combined with AquaRay Rails - to be purchased separately), as an over-tank luminaire.

1 AquaRay MMS MountaRay Single Tank Bracket
- suitable for suspending 1 x MiniLED400 lighting tile

2 AquaHabitats MiniLED 400 Lighting Tile plus Single MountaRay Tank Bracket

3 AquaRay MMS Pair of MountaRay Tank Brackets
- suitable for using as an over-tank luminaire

AquaRay MMS Rail

This slides onto the heat sink of all AquaRay light units as the basis of the MMS System, whilst also improving the efficiency of the heat sink

4 AquaRay MMS Rail 490mm
- suitable for one AquaBeam 500 (= 24W T5)

4a AquaRay MMS Rail 790mm
- suitable for one AquaBeam 500 (= 39W T5)

4b AquaRay MMS Rail 1090mm
- suitable for two AquaBeam 500s (= 54W T5)

4c AquaRay MMS Rail 1610mm
- suitable for three AquaBeam 500s

4d AquaRay MMS Rail 1910mm
- suitable for four AquaBeam 500s

4e AquaRay MMS Rail 2415mm
- suitable for five AquaBeam 500s

AquaRay MMS 90° Adapter

This fits onto the AquaBeam 500 and GroBeam 500 to allow them to be suspended between two sections of rail

This can also be used with older versions of the AquaBeam 500 to make them compatible with all MMS fittings

5 AquaRay MMS 90° Adapter x 4

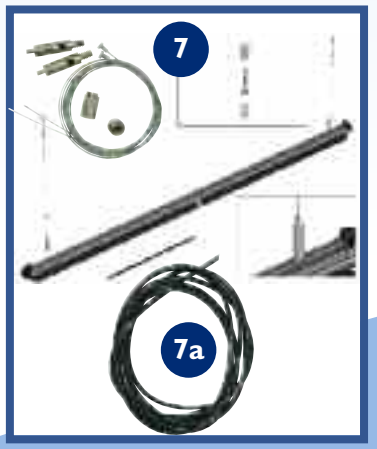
AquaRay MMS End Cap

This finishes the rail neatly as well as providing a thread for fixing

6 AquaRay MMS End Cap x 2
(includes 2 x fixing screws and 2 x end cap mounting screws)

code	specification	sales unit	
1823	AquaRay MMS Suspension Kit	single	7
1824	AquaRay MMS Spiral Cable Wrap	4m	7a
1877	AquaRay MMS T5 End Caps	x 2	8
1878	AquaRay MMS T8 End Caps	x 2	8a
1881	AquaRay MMS Bracket	x 2	9
1883	AquaRay MMS Adjustable Crosslink Bar	x 2	10

AquaRay lights in use in TMC London's fish house



AquaRay MMS Suspension Kit

This enables the rails to be suspended from a ceiling

7 AquaRay MMS Suspension Kit
(includes 2 x 1m suspension wires, 2 x cable gliders, 2 x ceiling fixings,2 x threaded washers, 2 x yellow rawl plugs and 2 x self tapping screws)

AquaRay MMS Spiral Cable Wrap

This wraps around the AquaBeam/GroBeam's cables to keep them together and looking tidy.

7a AquaRay MMS Spiral Cable Wrap (4m)

AquaRay MMS T5/T8 End Caps

These allow the rail to be mounted into an existing T5/T8 fluorescent fitting (when IP rated lamp holders are used)

8 AquaRay MMS T5 End Caps x 2
(includes 2 x mounting screws)
8a AquaRay MMS T8 End Caps x 2
(includes 2 x mounting screws)

AquaRay MMS Brackets

These allow the rail to be mounted directly onto a flat surface

9 AquaRay MMS Bracket x 2
(includes 2 x bracket fixing screws, 4 x nylon machine screws, 4 x nylon nuts and 1 x allen key)

Integrated pendant luminaire showing how components of the AquaRay Modular Mounting System combine

This example shows two AquaBeam 1000 HD Ultra units mounted centrally, with a pair of AquaBeam 600 Marine Blue units mounted front and back to provide supplementary actinic light. However, with the flexibility that the AquaRay MMS System offers, you can arrange your lighting in any way you require, to ensure your tank is always shown at its best.

AquaRay MMS Adjustable Crosslink Bar

This allows the rails to be connected together at any desired distance apart to form an array. It also allows the rails to be angled in order to direct the light where it is needed

10 AquaRay MMS Adjustable Crosslink Bar x 2
(includes 6 x sliding nuts and 6 x rail fixing screws)

aquaHabitats BY TMC
AQUARIUM ESSENTIALS

products

code	specification	sales unit	
2995	AquaHabitats MicroHabitat 15	single	1
	PowerPads (pack of two pads)		
5977	1 x Water Clarity Pad 1 x Filtration Start Up Pad	single	2
5978	1 x Nitrate/Nitrite Reduction Pad 1 x Ammonia Reduction Pad	single	3
5979	1 x Calcium/Magnesium Supplement Pad 1 x Trace Elements Pad	single	4
5980	1 x Phosphate Reduction Pad 1 x Activated Carbon Pad	single	5

MicroHabitat 15 available in UK, EU and US versions

GUARANTEE 12 MONTHS

Perfect for
Small Marine Aquascapes, Micro Corals AND Miniature Invertebrates

aquaHabitats BY TMC AQUARIUM ESSENTIALS MicroHabitat 15

- 15 litre (3.3 UK Gal) microhabitat.
- Perfect for small marine aquascapes, micro corals and miniature invertebrates allowing an exciting entry into the fascinating world of marines.
- High quality acrylic design ensures that the tank is not only lighter and stronger than a glass equivalent, but also allows a much clearer view.
- Compact, self-contained design makes the MicroHabitat 15 ideal for bedrooms, kitchens, living rooms and offices.
- The built in filtration system and integral pump with multi-directional outlet ensures optimum water quality and minimal maintenance.
- Unique integrated air driven protein skimmer driven by an H_2 Air60 air pump to ensure quiet, unobtrusive operation in any room in the house.
- Incorporates an AquaRay MicroLED 200 light system which uses high quality, LG TopLEDs (Ocean White 9000K) for long lasting light output (light also available separately).
- Supplied complete with a condensation lid, micro thermometer, hydrometer, air pump, micro heater, non return valve, 1m air tubing and 2g Hikari Crab Cuisine.

Dimensions: 235mm (w) x 270mm (d) x 240mm (h)

* *The tank MUST NOT be positioned in direct sunlight as this will lead to excessive algae growth and could result in the aquarium overheating.*

PowerPads

- For a more advanced set up, a PowerPad can be placed in the filtration system chamber of your MicroHabitat.
- These PowerPads are designed especially to fit the MicroHabitat 15 and MicroHabitat 30.

Please ***see page 18*** *for a full description of each PowerPad.*

	code	specification	sales unit
1	3010	AquaHabitats MicroHabitat 30	single

1

GUARANTEE 12 MONTHS

* *12 month guarantee on tank and MiniLED power supply.* ***5 year guarantee*** *on lamp unit.*

With MiniLED 500 light in moonlight mode

PowerPads
Perfect for more advanced set ups with the MicroHabitat 30!
See p. 46 for details

Available in UK, EU and US versions

See pages 37-44 for our full range of AQUARAY® lights and accessories

MicroHabitat 30

- 30 litre (6.6 UK Gal) microhabitat.
- Feature packed, plug-and-play marine set up perfect for small reef aquascapes, miniature corals, invertebrates and small fish.
- Provides an excellent introduction into the exciting and enthralling hobby of marine reefkeeping.
- Manufactured from high quality acrylic, offering a clear view and a light yet robust tank.
- Compact and self-contained - ideal for any room in the house.
- Incorporates a high PAR AquaRay MiniLED 500 light system with 4 x lensed 10,000K white Cree® XP-E and 1 x un-lensed blue Cree® XP-E PowerLEDs. The white LEDs can be switched off to give a "moonlight" mode *(for full details on this light see page 41)*.
- MountaRay tank bracket
- Built in filtration system incorporating an integral pump with multi-directional outlet offers optimum water quality and minimal maintenance.
- Unique integrated air driven protein skimmer to ensure quiet operation.
- Supplied complete with a condensation lid, micro thermometer, hydrometer, an H_2Air 60 air pump, non return valve and a heater to allow for simple and quick installation.

Dimensions: 300mm (w) x 330mm (d) x 300mm (h)

* *The tank MUST NOT be positioned in direct sunlight as this will lead to excessive algae growth and could result in the aquarium overheating.*

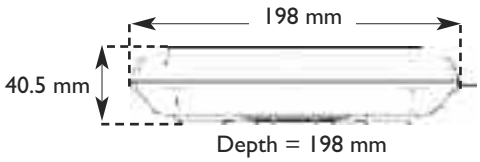
**Cree and the Cree LEDs logo are registered trademarks of Cree, Inc.*

code	specification	sales unit	
1860	AquaHabitats MiniLED 400	single	1
1906	AquaHabitats ColourPlus 1000	single	2

Available in UK, EU, US and AUS versions

GUARANTEE 5yr* GUARANTEE

* *5 year guarantee on lamp unit.*
1 year guarantee on power supply.



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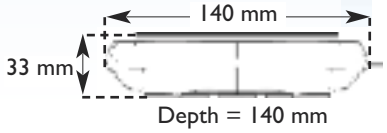

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See pages 37-44 for our full range of AQUARAY® lights and accessories

aquaHabitats BY TMC
AQUARIUM ESSENTIALS

MiniLED 400
Solid State Lighting Tile

- Perfect for nano aquariums of less than 50 litres, but also suitable for use in larger set ups
- Uses OSRAM OSLON SSL high power LEDs with a colour temperature of 6500K to replicate natural daylight conditions
- Suitable for freshwater and marine aquariums as well as planted tanks
- Gives a natural shimmer effect (unlike fluorescent lighting)
- Low power - just 12W - and dimmable!
- AQUARAY® technology and quality
- 5 year guarantee*

1 MiniLED 400 Solid State Lighting Tile
Dimensions: 140mm (w) x 140mm (d) x 33mm (h)

COLOURPLUS LED1000
Solid State Lighting Tile

- Uses 4 x white Cree® XP-G PowerLEDs and 2 x green, 2 x red and 2 x blue Cree® XP-E PowerLEDs
- Great for freshwater set ups, especially Cichlid and Discus show tanks, as well as planted tanks and fish only marine aquariums.
- AQUARAY® technology and quality
- 5 year guarantee*

2 ColourPlus 1000 Solid State Lighting Tile
Dimensions: 198mm (w) x 198mm (d) x 40.5mm (h)

* *5 year guarantee on lamp unit.*
1 year guarantee on power supply.

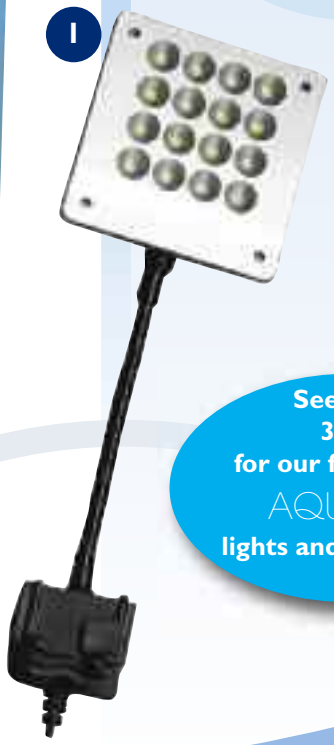
**Cree and the Cree LEDs logo are registered trademarks of Cree, Inc.*

	code	specification	sales unit
I	1887	AquaHabitats MicroLED 200	single

Available in UK, EU and US versions

with High Quality LG TopLEDs

carbon footprint low



I

GUARANTEE 12 MONTHS

Day Mode ✓

Night Mode ✓

See pages 37-44 for our full range of AQUARAY® lights and accessories

aquaHabitats AQUARIUM ESSENTIALS BY TMC

MicroLED 200 Compact LED Light

- Ocean White (9000K) compact LED light.
- Uses high quality, LG TopLEDs for long lasting light output and a "low light mode" for night viewing.
- Perfect for micro marine and tropical aquariums.
- Low energy consumption.
- Low carbon footprint.
- Low heat transfer.
- Simple to install.
- AQUARAY® technology and quality.

code	specification	sales unit	
5990	AquaHabitats H_2Air 60 Air Pump	single	1
5991	AquaHabitats H_2Air 80 Air Pump	single	2
5992	AquaHabitats H_2Air 100 Air Pump	single	3
5994	AquaHabitats H_2Air 120 Air Pump	single	4
5761	AquaHabitats H_2Therm 10w Micro Heater	single	5
5762	AquaHabitats H_2Therm 15w Micro Heater	single	6

Available in UK, EU and US versions

aquaHabitats AQUARIUM ESSENTIALS BY TMC

H_2Air Air Pumps

- High performance air pumps.
- Extremely efficient with silent operation.
- High quality components for long lasting, continuous operation.
- Compact design - simple to install and maintain.
- Air filter and diaphragms are easily replaced.

1 H₂Air 60 Air Pump

Produces 60 litres of air per hour. For tanks up to 50 litres.

2 H₂Air 80 Air Pump

Produces 80 litres of air per hour. For tanks up to 75 litres.

3 H₂Air 100 Air Pump

TWIN outlets. Produces 100 litres of air PER OUTLET per hour. For tanks up to 200 litres.

4 H₂Air 120 Air Pump

TWIN outlets. **Adjustable** up to 120 litres of air PER OUTLET per hour. For tanks up to 400 litres.

H_2Therm Micro Heaters

- Slimline heaters, measuring only 136 x 22 x 15mm, which means they can be discreetly and conveniently positioned even in the smallest of micro or nano aquariums.
- Fully submersible.
- Built in suction cups for quick and easy installation.
- Sensitive thermostat pre-set at 25°C.
- Tolerance ± 1°C.
- Reinforced plastic heater casing.
- 1.8m power cable.
- 12 month guarantee.

5 H₂Therm 10 Micro Heater
for aquariums up to 15 litres/3.3 UK Gallons

6 H₂Therm 15 Micro Heater
for aquariums up to 20 litres/4.4 UK Gallons

	code	specification	sales unit
1	5850	H_2Pure 25 RO System	single
2	9503	H_2Acclimation Kit	single

aquaHabitats BY TMC
AQUARIUM ESSENTIALS

1

2

H_2 Pure 25

Compact Reverse Osmosis System

- 3 x stage compact RO system incorporating high quality components.
- 10" in-line compact 5 micron sediment pre- filter which functions as a first stage filter, removing particles of up 5 microns from the water whilst also protecting and prolonging the life of the RO membrane.
- 10" in-line compact activated carbon block filter which offers chemical filtering by utilising the qualities of activated carbon to remove contaminants such as chlorine and colorants from the water.
- High quality Thin Film Composite (TFC) RO membrane, which removes contaminants such as heavy metals and hardness forming minerals from the water, as well as a high percentage of nitrates and phosphates.
- Integral flow restrictor prevents excess water flow to the RO membrane.
- Compact space saving design including mounting clips allowing for simple and quick installation.
- Supplied complete with a 3/4" BSP water tap connection fitting (ideal for standard garden taps) and 6m of 1/4" RO flexible tubing (2m in WHITE, 2m in RED and 2m in BLUE).

1 H_2Pure 25 Compact Reverse Osmosis System
Suitable for producing up to 25 US gal/95 litres of water per day*

*** NB:** RO water production capacities and contaminant rejection rates are based on an ambient temperature of 25°C and a mains water operating pressure of 50 psi (approx 3.5 bar). Please note that the RO water production capacity and contaminant rejection rates will be reduced at lower ambient temperatures and in areas of lower mains water pressures so this must be taken into account when choosing the correct RO model for your requirements.

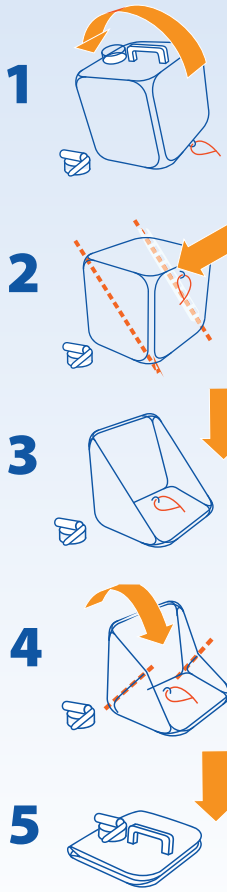
H_2 Acclimation Kit

Simple yet professional drip acclimation kit providing the necessary components to gently acclimate new livestock into a home aquarium.

The H_2Acclimation Kit includes:-

- **Compact siphon starter.** Specially designed to allow the water siphon to be started quickly and efficiently.
- **Water intake strainer.** This attaches to the inlet end of the flexible tubing and is then secured in the aquarium. It prevents solids and particles from being drawn into the siphon kit from the aquarium.
- **Plastic U bend.** This fits over the side of the aquarium, allowing simple and secure installation of the flexible tubing.
- **Water Control Valve.** This allows you to accurately control the amount and rate at which your aquarium water is transferred to your acclimation buckets or containers.
- **Micro Thermometer.** This allows the water temperature to be checked and monitored during the acclimation process.
- **2m flexible tubing.** 4/6mm diameter, 2m long.
- **Flexible tubing securing suction cup.** This allows the flexible tubing and water control valve to be secured to your acclimation bucket or container.

code	specification	sales unit	
6270	H_2Fill & Go Nano 5 Litre container	single	1
6271	H_2Fill & Go 10 Litre container	single	2
6272	H_2Fill & Go 20 Litre container	single	3
6273	Tropic Marin Nano Pro Reef sachet	single	4



H_2 Fill & Go

Collapsible Water Containers

Ideal for storing and transporting:-

- Pre-mixed seawater for marine tanks
- RO water for cichlids, discus,planted and marine tanks
- "Shake & Make" water
- Your own Tropic Marin seawater mix
- Top-up or emergency water

Refer to manufacturer's instructions for quantity of salt required.

1 H_2Fill &Go Nano - 5 Litre
Folded dimensions: 170mm (w) x 170mm (d) x 60mm (h)
Filled dimensions: 180mm (w) x 180mm (d) x 220mm (h)

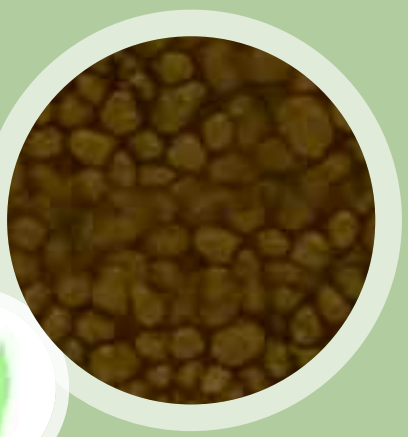
2 H_2Fill &Go - 10 Litre
Folded dimensions: 200mm (w) x 200mm (d) x 60mm (h)
Filled dimensions : 225mm (w) x 225mm (d) x 270mm (h)

3 H_2Fill &Go - 20 Litre
Folded dimensions: 260mm (w) x 240mm (d) x 70mm (h)
Filled dimensions: 290mm (w) x 290mm (d) x 335mm (h)

Tropic Marin® NANO
PRO-REEF
SEA SALT

- A single dose of Tropic Marin Pro-Reef Salt, sufficient for use with the 5 litre H_2Fill & Go Nano.
- Pro Reef salt contains all 70 trace elements found in natural sea water.
- It contains only pure, pharmaceutical grade ingredients with consistent mix and quality in every box.
- Specially formulated for use with RO water.
- No nitrates or phosphates.
- Higher levels of magnesium & calcium.
- dKh and pH buffering capacity are also higher making water conditions more stable for delicate corals.

4 Tropic Marin Nano Pro Reef Sea Salt
Sufficient for 5 Litres



aquaGro
FOR PLANTED AQUARIA
BY TMC

planted tank products

planted tank products

	code	specification	sales unit
1	2980	MicroHabitat 8	single
2	2991	MicroHabitat 8 ADVANCED	single
3	2981	MicroHabitat LED Light	single
		PowerPads (pack of two pads)	
4	5974	1 x Water Clarity Pad and 1 x Filtration Start Up Pad	single
5	5975	1 x Nitrate/Nitrite Reduction Pad 1 x Ammonia Reduction Pad	single
6	5976	1 x Phosphate Reduction Pad 1 x Activated Carbon Pad	single

ADVANCED version including
- 1kg nutraSoil
- 2g Hikari Shrimp Cuisine
- aquaGro Starter Kit

containing 25ml plant food and 10ml water conditioner/ dechlorinator

LED light also available separately

MicroHabitat 8 and LED light available in UK, EU and US versions

Day Mode ✓

Night Mode ✓

aquaGro FOR PLANTED AQUARIA BY TMC

MicroHabitat 8

Supplied complete with LED light, condensation lid, micro thermometer

- 8 litre (1.75 UK Gal/2 US Gal) micro habitat.
- Perfect for small planted aquascapes and miniature ornamental freshwater shrimps such as bee shrimps and crystal shrimps.
- High quality acrylic design - lighter, stronger and clearer than a glass equivalent.
- Built-in filtration system and integral pump with multi-directional outlet ensures optimum water quality and minimal maintenance.
- Supplied complete with an LED light with high quality, LG TopLEDs, a condensation lid and a micro thermometer.
- Compact, self-contained design makes the AquaGro MicroHabitat ideal for bedrooms, kitchens, living rooms and offices.

Dimensions: 185mm (w) x 220mm (d) x 220mm (h)

MicroHabitat 8 ADVANCED

Supplied complete with LED light, condensation lid, micro thermometer, 1kg Nutrasoil, 2g Hikari Shrimp Cuisine and an AquaGro Starter Kit (containing 25ml plant food and 10ml water conditioner/dechlorinator).

MicroHabitat LED Light

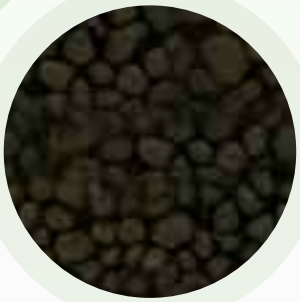
- Natural Daylight LED light with high quality, LG TopLEDs for long lasting light output and a "low light mode" for night viewing.
- Perfect for planted tanks, tropical aquariums and specialist indoor plants.
- Low energy consumption.

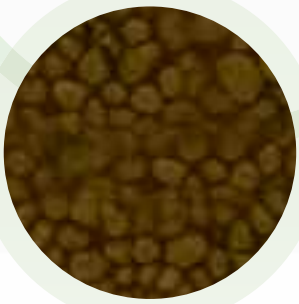
PowerPads

- For a more advanced set up, a PowerPad can be placed in the filtration system chamber of your MicroHabitat.
- These PowerPads are designed especially to fit the MicroHabitat 8.

*Please **see page 18** for a full description of each PowerPad.*

code	specification	sales unit	
2970	Nutrasoil 3 litre bucket black	single	1
2971	Nutrasoil 5 litre bucket black	single	2
2972	Nutrasoil 10 litre bucket black	single	3
2973	Nutrasoil 3 litre bucket brown	single	4
2974	Nutrasoil 5 litre bucket brown	single	5
2975	Nutrasoil 10 litre bucket brown	single	6
2977	NutraFeed 250ml bottle	single	7
2978	NutraFeed 500ml bottle	single	8





aquaGro FOR PLANTED AQUARIA BY TMC

nutraSoil

Complete Substrate

Nutrasoil is an attractive, complete substrate which means that it not only provides an anchor for the plants but also slowly provides vital nutrients to the plants' growing root structure.

- Its soft, small granules allow plant roots to penetrate easily ensuring all the plants' energy goes into maximum stem and leaf growth.
- All-natural product with a porous structure which provides a perfect area for beneficial bacteria to colonise, helping to maintain optimum water quality and clarity.
- Lowers the pH level of the aquarium making it perfect for aquatic plants and most fish.
- Provides a comfortable home for bottom dwelling fish and shrimps.

1 & 4 **AquaGro Nutrasoil 3 litre bucket (brown or black)**
Sufficient for a 30 litre/6.6 UK Gal aquarium

2 & 5 **AquaGro Nutrasoil 5 litre bucket (brown or black)**
Sufficient for a 50 litre/11 UK Gal aquarium

3 & 6 **AquaGro Nutrasoil 10 litre bucket (brown or black)**
Sufficient for a 100 litre/22 UK Gal aquarium

nutraFeed

Complete Aquarium Plant Food

NutraFeed has been formulated based on the very latest knowledge of aquatic plant cultivation and has been taken a step further with the addition of organic acids not used in other brands of plant food.

- The elements in NutraFeed are chelated with organic fulvic acid, which is the key component of humic matter found in soil.
- Fulvic acid is also responsible for the transport of essential minerals and other nutrients into the plant via the root system.
- The NPK values for NutraFeed are: 5.86-1.16-27 (sulphur 6.7)
- Contains: potassium, sulphur, nitrogen, magnesium, phosphorus, manganese, boron, iron, zinc, copper, cobalt and molybdenum.
- Dosing: Min. 10ml per 80 litres of water per week.

7 **AquaGro NutraFeed 250ml**

8 **AquaGro NutraFeed 500ml**

	code	specification	sales unit
1	2925	CO_2 Starter Kit MK2	single
		The following Starter Kit components are also available separately	
2	2926	CO_2 Diffuser	single
3	2927	CO_2 Canister 450ml	single
4	2929	CO_2 Starter Kit Non Return Valve	single
5	2921	CO_2 Flexible Tubing (4/6mm diam/2m length)	single

Why CO_2?

A plant is made of 40% carbon and the easiest way for plants to replenish this carbon for optimum growth is by extracting it via carbon dioxide (CO_2) present in the water. So, for vigorous plant growth and lush green plants a good CO_2 supply is essential.

PATS awards WINNER 2009 Aquatics Product of the Year

aquaGro BY TMC FOR PLANTED AQUARIA CO_2 Starter Kit MK2

The lowest cost CO_2 system on the market, offering a simple, effective and compact solution for supplying CO_2 to your planted aquarium!

- Ideal for both beginners and more experienced plant keepers.
- Brought to you by TMC, Europe's leading aquatic company for over 30 years.

1 AquaGro CO_2 Starter Kit MK2

Contents:-

- A disposable 450ml CO_2 canister which provides a convenient and hassle-free supply of CO_2 allowing the immediate installation and use of the CO_2 diffuser kit.
- A highly effective and compact CO_2 diffuser with a triangular design which makes it ideal for conveniently fitting in the corner of even the smallest aquariums or nano tanks, whilst ensuring the efficient diffusion of CO_2 within the aquariums. As the diffuser is transparent, it can be easily hidden
- High quality, non return valve which prevents water siphoning back from the CO_2 diffuser to the CO_2 canister.
- 2m of highly flexible 6mm ($^1/_4$") CO_2 tubing for versatile and easy connection of all components.

code	specification	sales unit	
2960	CO_2 Hobby Set (Plastic)	single	1
2961	CO_2 Expert Set (Glass)	single	2
	Individual Components		
2962	CO_2 Pressure Regulator Nano	single	3
2963	CO_2 by TMC "One Use" Cylinder	single	4
5616	CO_2 by TMC Cylinder Stand	single	5
2929	CO_2 Non Return Valve (plastic)	single	6
2934	Compact CO_2 Diffuser 25mm (plastic)	single	7
5646	CO_2 Bubble Counter (plastic)	single	8
2916	CO_2 Non Return Valve (glass)	single	9
2902	CO_2 Diffuser (glass)	single	10
2915	CO_2 Bubble Counter (glass)	single	11
2921	CO_2 Flexible Tubing (not shown) (4/6mm diam/2m length)	single	12

1

aquaGro FOR PLANTED AQUARIA BY TMC

Professional CO_2 sets which provide all the components required for a highly efficient planted aquarium set-up

2

aquaGro FOR PLANTED AQUARIA BY TMC CO_2 Sets

Sets include:-

- **TMC CO_2 'One Use' CO_2 Cylinder 95g**

  Disposable cylinder which provides a convenient and hassle-free supply of CO_2 allowing the immediate installation and use of the CO_2 kit.

- **TMC CO_2 'One Use' Cylinder Stand**

  Moulded stand designed specifically to ensure that the 'One Use' disposable CO_2 cylinder is kept vertically upright and secure whilst in use.

- **TMC CO_2 Pressure Regulator Nano**

  High precision nano CO_2 pressure regulator designed specifically for aquarium use.

- **AquaGro CO_2 Diffuser**

  High quality diffuser which ensures the efficient and effective diffusion of CO_2 within the aquarium.

- **AquaGro CO_2 Bubble Counter**

  Good quality bubble counter which provides a simple and reliable visual indication of the amount of CO_2 being dosed to the CO_2 diffuser and allows for accurate CO_2 dosing.

- **Non Return Valve**

  Effective valve which is used to prevent water flowing back from the aquarium to the CO_2 supply.

- **Dosing Pipette**

  Compact pipette which allows the bubble counter to be easily filled with water.

- **AquaGro CO_2 Flexible Tubing**

  4/6mm in diameter and 2m long.

	code	specification	sales unit
1	5641	CO_2 Power Diffuser 500 (Plastic)	single
2	5642	CO_2 Power Diffuser 1000 (Plastic)	single
3	5643	CO_2 Power Diffuser 1500 (Plastic)	single
4a	2933	Compact CO_2 Diffuser 20mm	single
4b	2934	Compact CO_2 Diffuser 25mm	single
5	5646	CO_2 Bubble Counter (Plastic)	single
6	5645	CO_2 Level Indicator (Plastic)	single

aquaGro BY TMC FOR PLANTED AQUARIA

aquaGro BY TMC FOR PLANTED AQUARIA CO_2 Hobby Range

1-3 AquaGro CO_2 Power Diffusers

- Unique, patented two-layer impellers ensure the highly efficient diffusion of CO_2.
- Innovative and compact design allows the diffuser to be easily installed inside or outside the aquarium and incorporated into any aquarium set-up.
- Robust construction, manufactured from durable, acid and alkali resistant and non-toxic plastics.
- Easy to maintain and clean.
- Includes non return valve and spray bar.
  (We highly recommend that an AquaGro CO_2 Bubble Counter - NOT supplied - is used with this diffuser).
- Just connect to pump or power filter and CO_2 supply (NOT supplied) and watch your plants flourish!
- Three sizes available for tanks from 500 to 1500 litres.

4 AquaGro Compact CO_2 Diffusers

- High quality, professional grade CO_2 diffusers.
- Compact, aesthetic design making it ideal for incorporating in all sizes of aquariums including the very smallest nano tanks.
- Incorporates a replaceable extra fine pore ceramic diffusion plate, ensuring the highly efficient and effective diffusion of CO_2 within the aquarium.
- Available in 20mm and 25mm sizes.

5 AquaGro CO_2 Bubble Counter

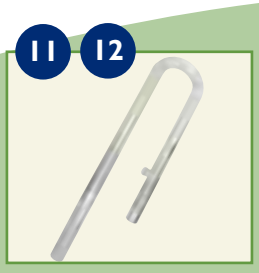
- A simple and reliable visual indication of the amount of CO_2 being dosed to a CO_2 diffuser allowing for accurate CO_2 dosing.
- Supplied with a suction cup, making it easy to install on the side of any aquarium or sump, and a dosing pipette.
- Compact slimline design.

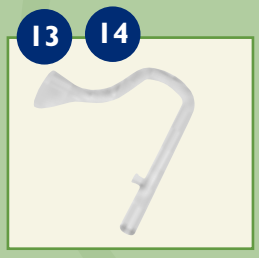
6 AquaGro CO_2 Level indicator

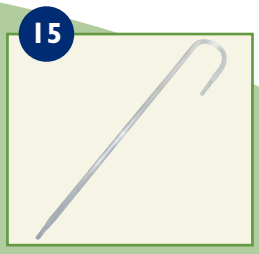
- A simple visual indicator of the CO_2 level in a planted aquarium.
- Compact design, ideal for use in all sizes of aquariums including the very smallest nano tanks.
- Supplied with a special reagent which is dosed into the CO_2 Level Indicator, providing a clear colour-changing indication of the CO_2 level within the aquarium.
- Includes an easy to read, colour comparison chart and a dosing pipette.

code	specification	sales unit	
2901	Glass Diffuser model: 2901	single	1
2902	Glass Diffuser model: 2902	single	2
2906	Glass Diffuser model: 2906	single	3
2907	Glass Diffuser model: 2907	single	4
2909	Glass Diffuser model: 2909	single	5
2911	Glass Diffuser model: 2911	single	6
2919	Glass Diffuser model: 2919	single	7
2910	CO_2 Glass Level Indicator model: 2910	single	8
2915	CO_2 Glass Bubble Counter model: 2915	single	9
2916	CO_2 Glass Non Return Valve model: 2916	single	10
2945	Glass Curved Intake Pipe 12mm	single	11
2947	Glass Curved Intake Pipe 16mm	single	12
2946	Glass Curved Outlet Pipe 12mm	single	13
2948	Glass Curved Outlet Pipe 16mm	single	14
2941	CO_2 Tubing Glass Connecting Pipe	single	15

GUARANTEE 12 MONTHS







aquaGro FOR PLANTED AQUARIA BY TMC

CO_2 Glass Range

- High quality, professional grade glass products.
- Compact, aesthetic design makes the products ideal for incorporating in all sizes of planted aquariums, including the smallest nano tanks.
- Suitable for use with all CO_2 systems.

1 AquaGro Glass Diffuser model: 2901
2 AquaGro Glass Diffuser model: 2902
3 AquaGro Glass Diffuser model: 2906
4 AquaGro Glass Diffuser model: 2907
5 AquaGro Glass Diffuser model: 2909
6 AquaGro Glass Diffuser model: 2911
7 AquaGro Glass Diffuser model: 2919
8 AquaGro CO_2 Glass Level Indicator model: 2910
9 AquaGro CO_2 Glass Bubble Counter model: 2915
10 AquaGro CO_2 Glass Non Return Valve model: 2916
11 AquaGro Glass Curved Intake Pipe 12mm
12 AquaGro Glass Curved Intake Pipe 16mm
13 AquaGro Glass Curved Outlet Pipe 12mm
14 AquaGro Glass Curved Intake Pipe 16mm
15 AquaGro CO_2 Tubing Glass Connecting Pipe

	code	specification	sales unit
1	2952	Straight Tip Precision Tweezers	single
2	2953	Curved Tip Precision Tweezers	single
3	2954	Straight Tip Precision Scissors	single
4	2955	Curved Tip Precision Scissors	single

GUARANTEE 12 MONTHS

aquaGro FOR PLANTED AQUARIA BY TMC

Accessories

1 Straight Tip Precision Tweezers

- Perfect for planting small, delicate plants.
- Ideal for those hard to reach places.
- Reduces root damage.
- High quality stainless steel.

2 Curved Tip Precision Tweezers

- Perfect for planting small, delicate plants.
- Ideal for those hard to reach places.
- Reduces root damage.
- High quality stainless steel.

3 Straight Tip Precision Scissors

- Sharp blades reduce plant recovery time after trimming.
- Extra wide mouth, ideal for trimming and shaping plants.
- High quality stainless steel.

4 Curved Tip Precision Scissors

- Sharp blades reduce plant recovery time after trimming.
- Angled mouth, ideal for trimming carpeting plants.
- High quality stainless steel.

Please note: Dry tools after every use. Not suitable for salt water aquariums.

code	specification	sales unit	
5647	Spray Bar Kit Short (47cm)	single	5
5648	Spray Bar Kit Long (61cm)	single	6
2921	CO_2 Flexible Tubing (4/6mm diam/2m length)	single	7
2935	Compact Diffuser Plate 20mm	single	8
2936	Compact Diffuser Plate 25mm	single	9
5649	Replacement 10ml Reagent Bottle	single	10

Accessories

5 AquaGro Spray Bar Kit Short (47cm)
Suitable for use with AquaGro CO_2 Power Diffusers 500, 1000 and 1500

6 AquaGro Spray Bar Kit Long (61cm)
Suitable for use with AquaGro CO_2 Power Diffusers 500, 1000 and 1500

7 AquaGro CO_2 Flexible Tubing (4/6mm diam/2m length)
- Soft and flexible
- Non-toxic and durable
- 4/6mm diameter
- 2m length

8 AquaGro Compact Diffuser Plate 20mm
Suitable for use with AquaGro CO_2 Compact Diffusers

9 AquaGro Compact Diffuser Plate 25mm
Suitable for use with AquaGro CO_2 Compact Diffusers

10 AquaGro Level Indicator Replacement 10ml Reagent Bottle
Suitable for use with the AquaGro CO_2 Level Indicator

	code	specification	sales unit
11	2939	Dosing Pipette	single
12	2940	Suction Cups (2pk)	single
13	2937	Suction Cup Clips (2pk)	single
14	2938	90° White Elbow Connector	single
15	2963	CO_2 by TMC "One-Use" Cylinder	single
16	5616	CO_2 by TMC Cylinder stand	single
17	2966	Water Care Supplement Dispensing Bottle 250ml	single
18	2967	Water Care Supplement Dispensing Bottle 500ml	single

aquaGro BY TMC FOR PLANTED AQUARIA

Accessories

11 AquaGro Dosing Pipette

12 AquaGro Suction Cups (2pk)

13 AquaGro Suction Cup Clips (2pk)

14 AquaGro 90° White Elbow Connector
2 piece push fit.

15 CO_2 by TMC One-Use Cylinder
95g (3.4oz) disposable cylinder which provides a convenient and hassle-free supply of CO_2.

16 CO_2 by TMC One-Use Cylinder Stand
Moulded stand designed specifically to ensure that the 'One Use' disposable CO_2 cylinder is kept vertically upright and secure whilst in use.

17 & 18 AquaGro Water Care Supplement Dispensing Bottle
Stylish, easy-dispense bottle for filling with the supplements of your choice.

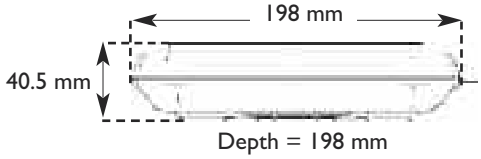
code	specification	sales unit	
1803	GroBeam 500	single	1
1810	GroBeam 500	twin	2
1901	GroBeam 1000 ND	single	3
1901P	GroBeam 1000 ND +PowerControl	single	4

Available in UK, EU, US and AUS versions

See pages 37-44 for our full range of AQUARAY® lights and accessories

Compatible with AQUARAY® Control and AQUARAY® MODULAR MOUNTING SYSTEM

1

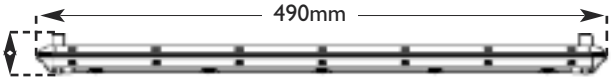


GUARANTEE 5yr* GUARANTEE

carbon footprint low

3

* 5 year guarantee on lamp unit.
1 year guarantee on power supply.



GroBeam500

Solid State Aquarium Lighting Strip

Both of these lighting units offer the following features:-

- Use the latest generation Natural Daylight CREE® XP-E Compact PowerLEDs*, specified at 6500K for optimum plant growth and colour rendition.
- Create a natural "shimmer" effect.
- Wide-angle beam allows light unit to be mounted close to the aquarium surface for optimum and even light distribution.
- Perfect for planted tanks and tropical aquariums.
- Offer a minimum of 50,000 hours lamp life - 6x standard fluorescent lighting.
- Low running costs and environmentally friendly - long-life, very low carbon footprint and NO MERCURY.
- Cool running with low heat transfer to aquarium water reducing the need for expensive cooling systems.
- Light-weight and compact design, with versatile mounting fixtures included, allowing a wide variety of replacement, retrofit and new install options on all sizes of aquaria.
- Sealed, water-resistant casing and a low voltage DC power supply makes AquaRay easy and safe to use in all conditions.

GroBeam1000 ND

Solid State Aquarium Lighting Tile

- Future-proofed. Unlike most fluorescents and metal halides, AquaRay light units have the capability to be digitally controlled and are suitable for use with the AquaRay Control and PowerControl units as well as other upcoming products.
- Designed and manufactured by Tropical Marine Centre in the EU.
- 5 year guarantee.
- MMS Modular Mounting System compatible, offering an extensive range of mounting options for your AquaRay light unit!

The GroBeam 1000 uses 6500K natural daylight CREE® XP-E Compact PowerLEDs* emitting over 800 lumens, making it especially suitable for planted aquariums and for enhancing the colours of your tropical fish.

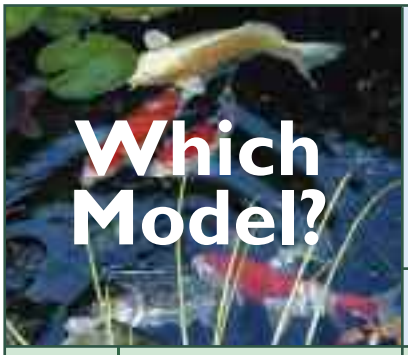
GroBeam 500 dimensions: 490mm (w) x 45mm (d) x 35mm (h)

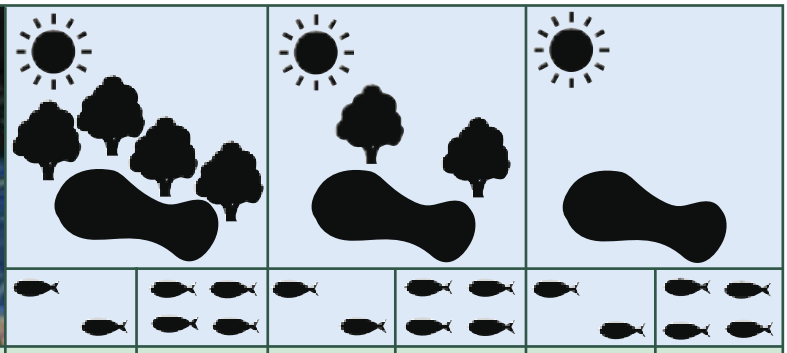
GroBeam 1000 ND dimensions: 198mm (w) x 198mm (d) x 40.5mm (h)

**Cree and the Cree logo are registered trademarks of Cree, Inc.*

pond products

pond products





	< 400 UK gallons < 1800 litres	Pond Clear UV6	Pond Clear UV6	Pond Clear UV6	Pond Clear UV6	Pond Clear UV6	Pond Clear UV6
	< 600 UK gallons < 2700 litres	Pond Clear UV6	Pond Clear UV8	Pond Clear UV8	Pond Clear UV8	Pond Clear UV8	Pond Clear UV8
	< 1200 UK gallons < 5400 litres	Pond Clear UV8	Pond Clear UV15	Pond Clear UV8	Pond Clear UV15	Pond Clear UV15	Pond Clear UV15
	< 1500 UK gallons < 6750 litres	Pond Clear UV15	Pond Clear UV15	Pond Clear UV15	Pond Clear UV15	Pond Clear UV15	Pond Clear UV25
	< 3000 UK gallons < 13500 litres	Pond Clear UV15	Pond Clear UV25	Pond Clear UV15	Pond Clear UV25	Pond Clear UV25	Pro Clear UV30
	< 4000 UK gallons < 18000 litres	Pond Clear UV25	Pro Clear UV30	Pro Clear UV30	Pro Clear UV30	Pro Clear UV30	Pro Clear UV55
	< 6000 UK gallons < 27000 litres	Pro Clear UV30	Pro Clear UV55	Pro Clear UV55	Pro Clear UV55	Pro Clear UV55	Pro Clear UV55
	< 10000 UK gallons < 45000 litres	Pro Clear UV55	Pro Clear UV55	Pro Clear UV55	Pro Pond UV110	Pro Clear UV55	Pro Pond UV110
	< 16000 UK gallons < 72000 litres	Pro Pond UV110	Pro Pond UV110	Pro Pond UV110	Pro Pond UV110	Pro Pond UV110	Pro Pond UV110

UV Pond Clarifiers

Tropical Marine Centre pioneered the development of UV water cleansing systems and has manufactured them successfully since the late 1970s. There are now three pond ranges available: Pond Clear Advantage, Pro Clear Advantage and Pro Pond Advantage.

How Do They Work?

Ultraviolet radiation at a wavelength of 254 nanometers is extremely effective in halting the reproduction of algae. The algae readily absorbs the UV light which damages its DNA structure and makes it flocculate (clump together) allowing it to be trapped in a mechanical filter.

TMC's range of UV pond clarifiers work on this principle. At the heart of each UV unit is an ultraviolet lamp sealed inside a quartz sleeve. As water is pumped through the unit, ultraviolet light from the lamp destroys the green, single-celled water borne algae (which make garden ponds murky and unattractive), leaving the water crystal clear.

Choosing the Correct Size Pond Clarifier

The main factors which govern the model you will need are:-

1. **Pond size**
2. **Flow rate**
3. **Stocking level**
4. **The amount of sunlight the pond is subject to.**

Use the table above to select the correct model for your pond.

If in doubt telephone Tropical Marine Centre for further assistance.

code	specification	sales unit	
5024	2700 litres/600 UK gal	single	1
5019	5400 litres/1200 UK gal	single	2
5020	13500 litres/3000 UK gal	single	3
5021	14400 litres/3200 UK gal	single	4
5022	18000 litres/4000 UK gal	single	5

Available in UK, EU and US versions

Now supplied with a **clear 90° plastic elbow,** which increases the safe visible glow from the UV lamp inside the UV unit as well as offering a variety of flexible pipe orientations!

TMC Pond

Pond Clear Advantage

Pond Clear UV16 Advantage

Easy to Install

Easy to Use

Easy to Maintain

Pond Clear Advantage UV Pond Clarifiers

- Robust construction and ergonomic, green and black design.
- Surface, filter or wall mountable and supplied with a wall mounting kit and a filter lid fixing kit.
- Easy access to working parts making maintenance quick and easy.
- Four-stage hosetails designed to take flexible hose from $^{1}/_{2}$" to $1^{1}/_{4}$".
- Includes rigid pipe adaptors for connection to 40mm solvent weld rigid pipe.
- Supplied with a 5 metre power cable (10m on UV16).

1 Pond Clear Advantage UV6 Pond Clarifier
Suitable for ponds up to approx 2700 litres/600 UK gal/720 US gal.
Uses 1 x 6W G6T5 UV Lamp.
Dimensions: 300mm (w) x 132mm (d) x 83mm (h)

2 Pond Clear Advantage UV8 Pond Clarifier
Suitable for ponds up to approx 5400 litres/1200 UK gal/1440 US gal.
Uses 1 x 8W G8T5 UV Lamp.
Dimensions: 440mm (w) x 100mm (d) x 180mm (h)

3 Pond Clear Advantage UV15 Pond Clarifier
Suitable for ponds up to approx 13500 litres/3000 UK gal/3600 US gal.
Uses 1 x 15W G15T8 UV Lamp.
Dimensions: 575mm (w) x 125mm (d) x 180mm (h)

4 Pond Clear Advantage UV16 Pond Clarifier
Suitable for ponds up to approx 14400 litres/3200 UK gal/3800 US gal.
Uses 1 x 16W G16T5 UV Lamp.
Dimensions: 480mm (w) x 130mm (d) x 175mm (h)

5 Pond Clear Advantage UV25 Pond Clarifier
Suitable for ponds up to approx 18000 litres/4000 UK gal/4800 US gal.
Uses 1 x 25W G25T8 UV Lamp.
Dimensions: 575mm (w) x 125mm (d) x 180mm (h)

	code	specification	sales unit
1	5230	27000 litres/6000 UK gal	single
2	5231	45000 litres/10000 UK gal	single
3	7027	72000 litres/16000 UK gal	single

Available in UK, EU and US versions

1

GUARANTEE 12 MONTHS

Pro Clear Advantage

2

Pro Pond UV110 Advantage

3

GUARANTEE 24 MONTHS

Pro Clear Advantage UV Pond Clarifiers

- Professional ultraviolet pond clarifiers suitable for larger ponds, particularly Koi ponds.
- Surface, filter or wall mountable (using supplied mounting brackets
- Suitable when high flow rates are needed - the UV30 has a maximum flow rate of 3,000 gal/13,500l per hour and the UV55 has a maximum flow rate of 4,000 gal/18,000l per hour.
- Quick and easy to maintain - replacement UV lamps and spares readily available.
- Unit has four $1^{1}/_{2}$" BSP female threaded ports giving two inlet and two outlet options. These can be connected to flexible or rigid pipework and water can enter/exit unit either vertically or horizontally (or a combination of both) offering maximum flexibility with pipework configurations.
- Supplied with universal hosetails for flexible pipework which glow to show that the UV lamp is working.

1 Pro Clear Advantage UV30 Pond Clarifier
Suitable for ponds up to approx 27000 litres/6000 UK gal/7150 US gal.
Uses 1 x 30W G30T8 UV Lamp.
Dimensions: 930mm (w) x 120mm (d) x 280mm (h)

2 Pro Clear Advantage UV55 Pond Clarifier
Suitable for ponds up to approx 45000 litres/10000 UK gal/11900 US gal.
Uses 1 x 55W TM HF PRO UV Lamp.
Dimensions: 930mm (w) x 120mm (d) x 280mm (h)

Pro Pond Advantage UV Pond Clarifier

- Designed for large ponds, incorporating pressure filters or pressure circuits such as sand filters & venturis.
- New ergonomic, compact design.
- New energy efficient, electronic control gear.
- Universal 2" and 63mm solvent weld inlet and outlet ports.
- Can be connected to either flexible or rigid plumbing using the appropriate plumbing fittings (not supplied).
- Can be used for pressurised systems up to 3 bar (43.5psi).
- Individually chambered lamps for optimum efficiency and contact time.
- Fused quartz glass sleeves which ensure that germicidal lamps are able to reach their optimum 'burn temperature' where the highest amount of UVc radiation is emitted.
- Easily wall mountable.
- Supplied with a 5 metre cable.

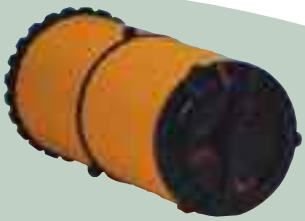
3 Pro Pond Advantage UV110 Pond Clarifier
Suitable for ponds up to approx 72000 litres/16000 UK gal/19000 US gal.
Uses 2 x 55W TM HF PRO UV Lamps.
Dimensions: 970mm (w) x 100mm (d) x 370mm (h)

code	specification	sales unit	
7907	3500-4000 litres per hr	single	1
7908	4500-5000 litres per hr	single	2
7117	105 mic/20m³ per hr	single	3
7118	125 mic/20m³ per hr	single	4
7134	105 mic/40m³ per hr	single	5
7135	125 mic/40m³ per hr	single	6

Hidro Clean

1. Triangular filtering channels progressively decreasing in size
2. Ribs
3. Axis sustaining ring
4. Anti-weed flap system

Pro Pond



Pro Pond Fluid Bed Filters

- Pro Pond Fluid Bed Filters are low cost, maintenance free units designed specifically for the professional pond and koi keeper.
- They offer all the unique features of our commercial units including low head start up and diffuser bowl.
- Pro Pond FBF units are fitted with an anti-siphon device, preventing the oolitic aragonite media from back-siphoning into the supply pipework when the water supply pump is turned off.
- They should be used in conjunction with other filtration elements to create a well-balanced filtration package. Unlike aquaculture, koi pond filtration is based on high water volume to bio-mass ratios.
- Supplied with graded oolitic aragonite media.

1 Pro Pond FBF80
Supplied with 10kg of media. Maximum fish bio mass: 80kg.
Dimensions: height 156cm/diameter at base 26cm.

2 Pro Pond FBF160
Supplied with 20kg of media. Maximum fish bio mass: 160kg.
Dimensions: height 156cm/diameter at base 34cm.

Hidro Clean Cartridge Filters

- Hidro Clean mechanical cartridge filters offer pressurised, pump-fed mechanical filtration to a minimum particle size of 105 micron.
- They are ideal for use as a pre-filter to pump-fed bio-filters to remove solids before they are able to foul the biological media.
- Designed to be easy to maintain and the cartridge can be cleaned using a standard hose pipe.
- Two filter grades available - 105 micron (yellow cartridge) and 125 micron (blue cartridge).

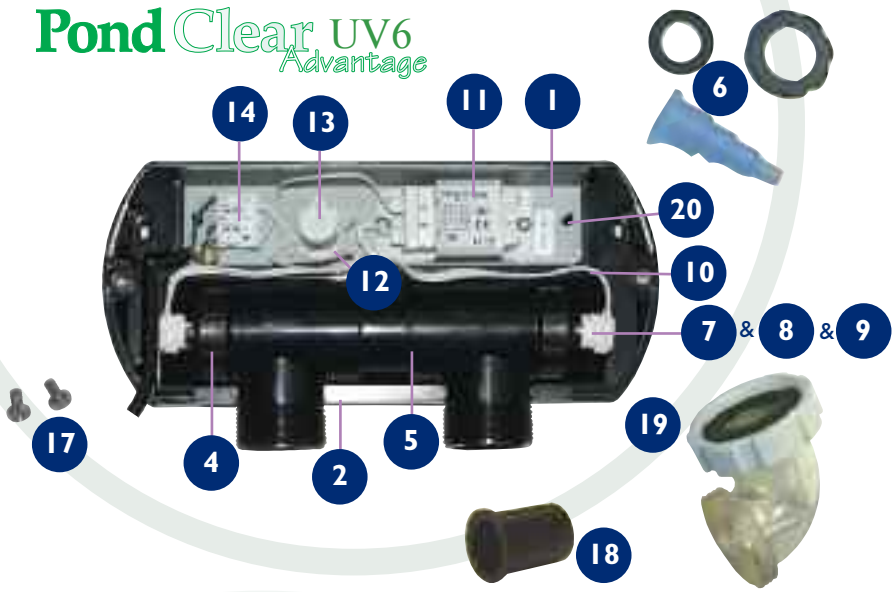
3 Hidro Clean Cartridge Filter 105 micron
Cartridge length: 38cm. Surface area 1370 cm^2. Inlet/outlet: 2"MT.

4 Hidro Clean Cartridge Filter 125 micron
Cartridge length: 38cm. Surface area 1370 cm^2. Inlet/outlet: 2"MT.

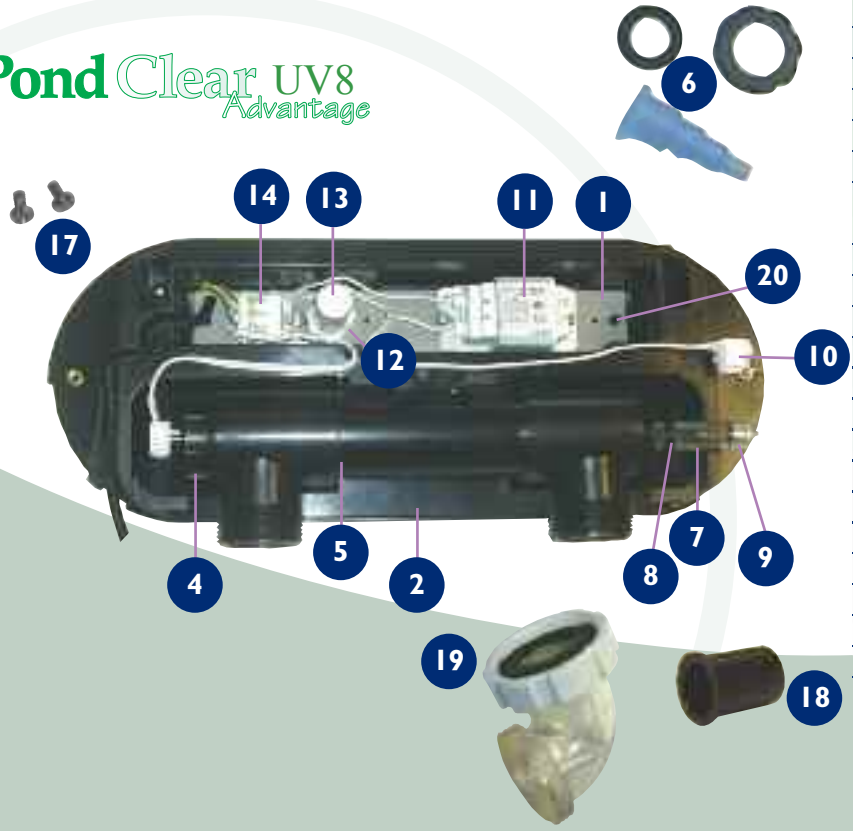
5 Hidro Clean Cartridge Filter 105 micron
Cartridge length: 49cm. Surface area 1760 cm^2. Inlet/outlet: 2"MT.

6 Hidro Clean Cartridge Filter 125 micron
Cartridge length: 49cm. Surface area 1760 cm^2. Inlet/outlet: 2"MT.

Pond Clear UV6 Advantage



Pond Clear UV8 Advantage



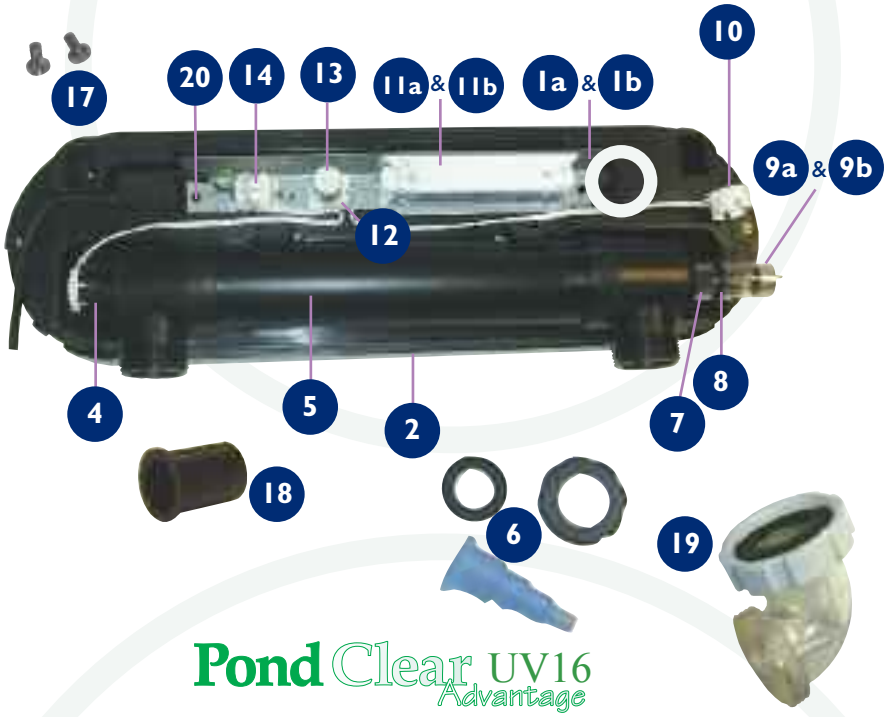
	code	specification	sales unit
	Pond Clear Advantage UV6		
1	5024CG-UK	Pond Clear Adv UV6 control gear	single
2	PCADUV6BASE	Pond Clear Adv UV6 black base	single
3	PCADUV6COVER	Pond Clear Adv UV6 green lid (not shown)	single
4	8WPC/LNBCT94	Pond Clear Adv UV6 locknut	single
5	SHPC6B	Pond Clear Adv UV6 plastic body	single
6	5249-D	Pond Clear Adv UV6 hosetail	single
7	5274	Pond Clear UV6 quartz sleeve	single
8	5280	Pond Clr UV6/8/16 quartz sleeve O ring	single
9	6051	TM G6T5 UV lamp 6w	single
10	V2UV8/16LLS	Pond Clear Adv UV6 lamp lead	single
11	D468-22.2-3	Pond Clear 6/8w UK ballast	single
12	NO/19	Pond starter holder	single
13	S10	S10 lamp starter	single
14	PCA/V2MTB	Terminal block	single
15	PCADUV6BOX	Pond Clear Adv UV6 box (not shown)	single
16	PCADUV6INS	Pond Clr Adv UV6 instructions (not shown)	single
17	PCADLFSSR04	Pond Clear Adv lid fixing screw	single
18	PCADRPACT04	Pond Clr Adv rigid pipe adapter	single
19	5249-L	Clear 90° elbow	single
20	0655730	Black plastic push clips	single
	Pond Clear Advantage UV8		
1	5019CG-UK	Pond Clr Adv UV8 control gear	single
2	PCA8B/MS04	Pond Clear Adv UV8 black base	single
3	PCA8C/MS04	Pond Clr Adv UV8 green lid (not shown)	single
4	8WPC/LNBCT94	Pond Clr Adv 8/16w black locknut	single
5	SHPCA8B	Pond Clear Adv UV8 plastic body	single
6	5249-D	Pond Clr Adv univ. hosetail assembly (hosetail, locknut and gasket)	single
7	5275	Pond Clr Adv UV8 quartz sleeve	single
8	5280	Pond Clr UV6/8/16 quartz sleeve O ring	single
9	6052	TM G8T5 UV lamp 8w	single
10	PC/VECLLS	Pond Clear 6/8/16w lamp lead	single
11	D468-22.2-3	Pond Clear Adv 8w UK ballast	single
12	NO/19	Pond starter holder	single
13	S10	S10 lamp starter	single
14	PCA/V2MTB	Terminal block	single
15	PCAD8BOX	Pond Clr Adv UV8 box (not shown)	single
16	PCAD8-25INS	Pond Clr Adv instructions (not shown)	single
17	PCADLFSSR04	Pond Clear Adv lid fixing screw	single
18	PCADRPACT04	Pond Clr Adv rigid pipe adapter	single
19	5249-L	Clear 90° elbow	single
20	0655730	Black plastic push clips	single

Available in UK, EU and US versions

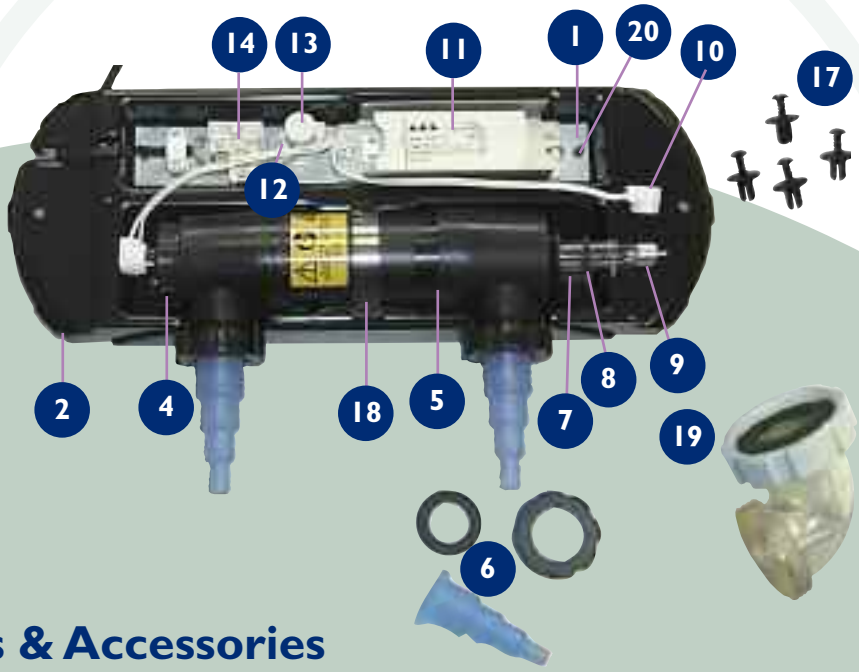
UV Pond Clarifiers Spares & Accessories

code	specification	sales unit	
Pond Clear Advantage UV15 & UV25			
5020CG-UK	Pond Clear Adv UV15 control gear	single	1a
5022CG-UK	Pond Clear Adv UV25 control gear	single	1b
PCA15B/MS04	Pond Clear Adv UV15/25 black base	single	2
PCA15C/MS04	Pond Clr Adv UV15/25 green lid (not shown)	single	3
15WPCLNBCT04	Pond Clr Adv UV15/25 black locknut	single	4
SHPCA15/25B	Pond Clear Adv UV15/25 body	single	5
5249-D	Pond Clear Adv univ. hosetail assembly (hosetail, locknut and gasket)	single	6
5276	Pond Clear Adv UV15/25 quartz sleeve	single	7
5281	Pond Clear Adv UV15/25 quartz sleeve O ring	single	8
6053	TM G15T8 UV lamp 15w	single	9a
6054	TM G25T8 UV lamp 25w	single	9b
PC/VECLLB	Pond Clear Adv 15/25w lamp lead	single	10
D15-22.2-4	Pond Clear Adv 15w UK ballast	single	11a
L30TL2230	Pond Clear Adv 25w UK ballast	single	11b
NO/19	Pond starter holder	single	12
S10	S10 lamp starter	single	13
PCA/V2MTB	Terminal block	single	14
PCAD15BOX	Pond Clear Adv UV15 box (not shown)	single	15a
PCAD25BOX	Pond Clear Adv UV25 box (not shown)	single	15b
PCAD8-25INS	Pond Clear Adv instructions (not shown)	single	16
PCADLFSSR04	Pond Clear Adv lid fixing screw	single	17
PCADRPACT04	Pond Clear Adv rigid pipe adaptor	single	18
5249-L	Clear 90° elbow	single	19
0655730	Black plastic push clips	single	20
Pond Clear Advantage UV16			
5286-97	Pond Clear Adv UV16 control gear	single	1
PCAD16BSB00	Pond Clear Adv UV16 base	single	2
PCAD16BSL00	Pond Clear Adv UV16 lid (not shown)	single	3
8WPC/LNBCT94	Pond Clear Adv UV16 black locknut	single	4
SHPCA16B	Pond Clear Adv UV16 black PVC body	single	5
5249-D	Pond Clear Adv univ. hosetail assembly (hosetail, locknut and gasket)	single	6
5275	Pond Clear Adv UV16 quartz sleeve	single	7
5280	Pond Clear UV6/8/16 quartz sleeve O ring	single	8
6057	TM G16T5 UV lamp 16w	single	9
PC/VECLLS	Pond Clear 6/8/16w lamp lead	single	10
L18TL2230V	Pond Clear Adv UV16 UK ballast	single	11
NO/19	Pond starter holder	single	12
S10	S10 lamp starter	single	13
PCA/V2MTB	Terminal block	single	14
PCUV16BOX	Pond Clear Adv UV16 box (not shown)	single	15
PCAD8-25INS	Pond Clr Adv UV16 instructions (not shown)	single	16
113000369902	Nylon screw rivet	single	17
SSBC/KMPOOA	S/S clip	single	18
5249-L	Clear 90° elbow	single	19
0655730	Black plastic push clips	single	20

Pond Clear Advantage UV15 & UV25



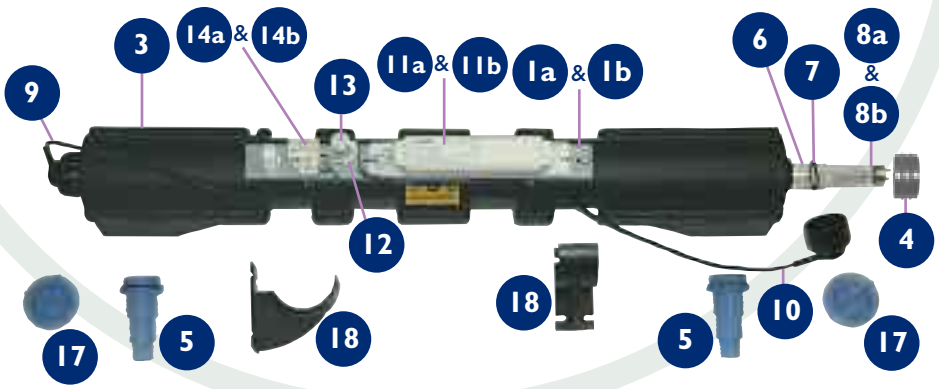
Pond Clear Advantage UV16



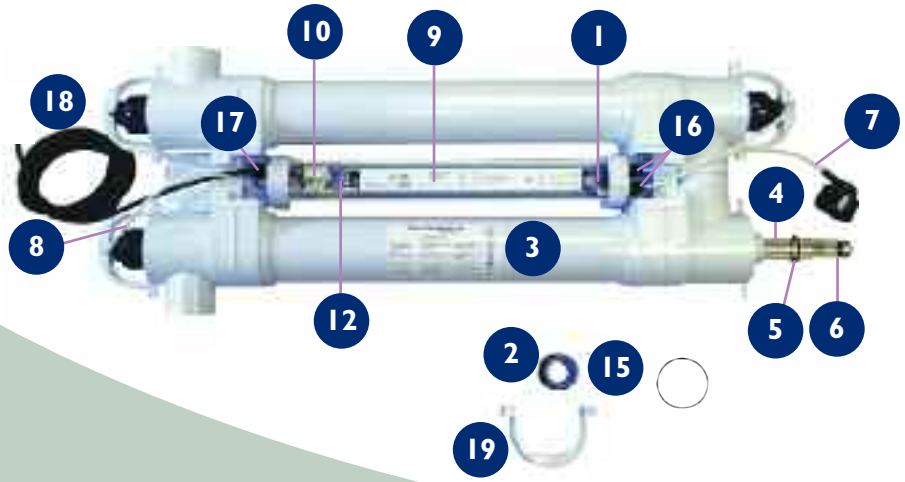
Available in
UK, EU and US versions

UV Pond Clarifiers Spares & Accessories

Pro Clear UV30 & UV55 Advantage



Pro Pond UV110 Advantage



	code	specification	sales unit
	Pro Clear Advantage UV30 & UV55		
1a	5286-50	Pro Clear Adv UV30 control gear	single
1b	5286-51	Pro Clear Adv UV55 control gear	single
2	PROAD/COVERI	Pro Clear Adv UV30/55 lid (not shown)	single
3	PROUVBFP98A	Pro Clear Adv UV30/55 black body	single
4	PROCLRL/NUT	Pro Clear Adv UV30/55 locknut	single
5	5249-C	Pro Clear Adv universal hosetail	single
6	5277	Pro Clear Adv UV30/55 quartz sleeve	single
7	5283	Pro Clear Adv quartz sleeve O ring	single
8a	6055	TM G30T8 UV lamp 30w	single
8b	6056	TM HF Pro UV lamp 55w	single
9	PROCLRLLS	Pro Clear Adv lamp lead short	single
10	PROCLRLLL	Pro Clear Adv lamp lead long	single
11a	D30-22.2-4	Pro Clear Adv UV30 UK ballast	single
11b	D58-29.00-4	Pro Clear Adv UV55 UK ballast	single
12	NO/19	Pond starter holder	single
13	S10	S10 lamp starter	single
14a	FUTBCAP	Fuse terminal block inc. fuse (for all pre 2007 units)	single
14b	PCA/V2MTB	Terminal block (for all post 2007 units)	single
15a	PRO30UVBOX	Pro Clear Adv UV30 box (not shown)	single
15b	PRO55UVBOX	Pro Clear Adv UV55 box (not shown)	single
16	PROADINSLH99	Pro Clear Adv instructions (not shown)	single
17	PROCLRB/PLUG	Pro Clear Adv blue blanking plug	single
18	PROUVWBCT98	Pro Clear Adv black wall bracket	single
	Pro Pond Advantage UV110		
1	PPATUBECGUK	Pro Pond Adv UV110 control gear	single
2	PP110WL/NUT	Pro Pond Adv UV110 locknut	single
3	PP110ADVBODY	Pro Pond Adv UV110 body	single
4	5277	Pro Pond Adv UV110 quartz sleeve	single
5	5281	Pro Pond Adv UV110 quartz sleeve O ring	single
6	6056	TM HF PRO UV lamp 55w	single
7	P2/PPALLS	Pro Pond Adv UV110 lamp lead short	single
8	P2/PPALLL	Pro Pond Adv UV110 lamp lead long	single
9	HFL254-58	Digital ballast 55w 220/240v 50Hz	single
10	683-A	Fuse terminal block	single
11	F315-08	3.15 Amp time delay fuse (not shown)	single
12	579-100	Varistor	single
13	PPA110/BOX	Pro Pond Adv UV110 box (not shown)	single
14	PPA110/INS	Pro Pond Adv UV110 instructions (not shown)	single
15	5200400N50	Pro Pond Adv UV110 control gear O ring	single
16	3425000	Pro Pond Adv M12 watertight grommet	single
17	ESP09-11B-IN	Pro Pond Adv M16 watertight grommet	single
18	CSUV/MCPC00	Pro Pond Adv UV110 5m power cable	single
19	PPA/05DMR	Pro Pond Adv UV110 dipmould restraint	single

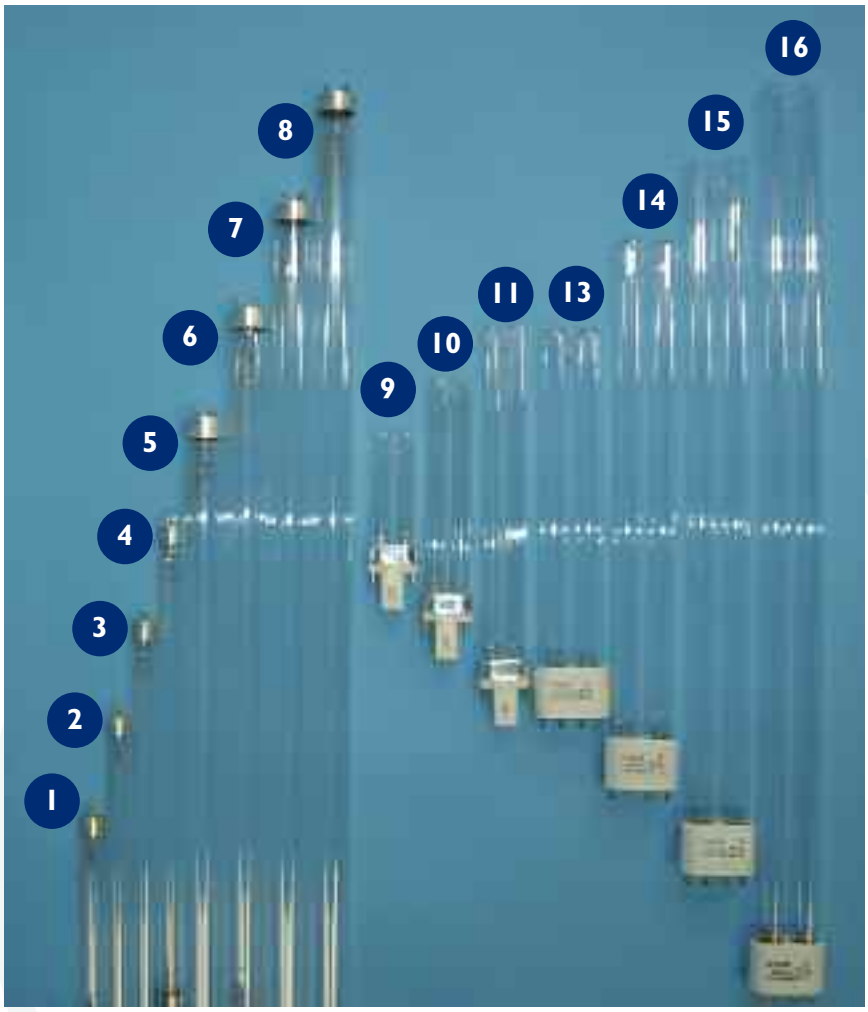
Available in UK, EU and US versions

UV Pond Clarifiers Spares & Accessories

code	specification	sales unit	
7127	Replacement cartridge 105 micron 38cm	single	1
7128	Replacement cartridge 125 micron 38cm	single	2
7129	Replacement cartridge 105 micron 49cm	single	3
7130	Replacement cartridge 125 micron 49cm	single	4
7131	Replacement lid and O ring	single	5
7132	Replacement lid clamp	single	6
7133	Hidro Clean plastic base	single	7

TMC™ Pond

Hidro Clean Cartridge Filters
Spares & Accessories



	code	specification	sales unit
1	6050	TM G4T5 UV lamp 4w	single
2	6051	TM G6T5 UV lamp 6w	single
3	6052	TM G8T5 UV lamp 8w	single
4	6053	TM G15T8 UV lamp 15w	single
5	6057	TM G16T5 UV lamp 16w	single
6	6054	TM G25T8 UV lamp 25w	single
7	6055	TM G30T8 UV lamp 30w	single
8	6056	TM G55T8 UV lamp 55w	single
9	6059	TM PLS UV lamp 5w	single
10	6060	TM PLS UV lamp 9w	single
11	6061	TM PLS UV lamp 11w	single
12	6067	TM PLS UV lamp 13w (not shown)	single
13	6062	TM PLL UV lamp 18w	single
14	6063	TM PLL UV lamp 24w	single
15	6064	TM PLL UV lamp 36w	single
16	6065	TM PLL UV lamp 55w	single
17	6056	TM HFPRO UV lamp 55w (not shown)	single

DANGER

Never look directly at an illuminated UV lamp

Tropical Marine

Replacement UV Lamps

Tropical Marine Centre offers a full range of replacement UV lamps for our pond, aquarium and commercial UV products. We are also able to supply replacement lamps for a number of other brands of UV filters. We exclusively offer our own, brand-leading TM lamp range which we have been supplying into aquaculture and industry for more than 30 years.

How often should a UV lamp be replaced?
UV lamps, used for sterilisation purposes in our V²ecton and commercial system UVs, should be replaced every 6 months (approx. 4000 hrs) to ensure the continuous high output that is required for these applications. Lamps used for clarification of ponds can be replaced once a year (approx. 8000 hrs) without detriment to the effectiveness of the unit under normal circumstances. Whilst replacing the UV lamp, the quartz sleeve should be carefully cleaned with a light acid cleaner and washed with water to remove any deposits and dirt that may have built up.

The quartz sleeve should be completely dry before replacing it in the unit. The quartz O rings should be replaced to ensure an effective seal between the quartz sleeve and the plastic body.

PLEASE NOTE:
All of our UV lamps are low mercury, in compliance with the RoHS (Restriction of Hazardous Substances) and WEEE (Waste Electrical and Electronic Equipment) guidelines.

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Tropical Marine Centre (TMC) has been Europe's leading supplier of quality marine fish and invertebrates to the ornamental trade since 1970 and operates four large, fully re-circulated aquarium based facilities in London, Manchester, Bristol and Lisbon (TMC Iberia).

Apart from supplying livestock to the retail aquatic trade, TMC also works closely with many leading public aquariums around the World and is a member of EUAC (European Union of Aquarium Curators).

TMC is also the UK's leading manufacturer and distributor of innovative commercial filtration equipment and quality branded aquatic products and, since the early 1970s, has manufactured UV sterilisers and clarifiers for both hobby and commercial applications.

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